

Converting Colors

XYZ(80.2733, 87.4822,
101.4852)

Have a look what the booklet for
XYZ(80.2733, 87.4822, 101.4852)
contains.

XYZ(80.3453, 87.4862, 101.4588)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.3453, 87.4862,
101.4588)**

Conversions

Conversions Part 1

Format	Color
Hex	E1F4F8
RGB	225, 244, 248
RGB Percent	88%, 96%, 97%
CMY	0.1176, 0.0431, 0.0274
CMYK	0.09, 0.02, 0.00, 0.03
HSL	190°, 62%, 93%
HSV	190°, 9%, 97%
XYZ	80.3453, 87.4862, 101.4588
YIQ	238.7750, -12.6080, -2.7840

Conversions

Conversions Part 2

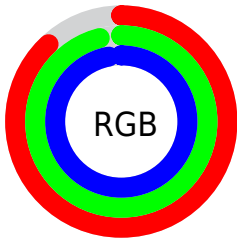
Format	Color
R _Y B	225, 235, 248
Decimal	14808312
CIE Lab	94.94, -5.44, -4.06
CIE LCh	95, 6.794, 216.740
Yxy	87.4862, 0.2984, 0.3249
Android (android.graphics.Color)	4292998392 (0xFFE1F4F8)
YUV	238.7750, 4.5479, -12.0807
Hunter-Lab	93.5341, -10.3540, 1.1605

Details

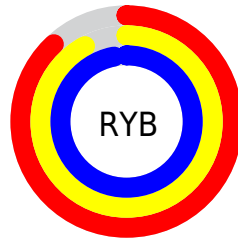
The XYZ color **80.3453, 87.4862, 101.4588** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.3218, 81.4309, 82.7200**, and the grayscale version is **81.8440, 86.1062, 93.7697**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0752, 48.3183, 56.8725** is the 20% darker color. If you saturate the color by 10%, you get **71.8876, 81.2260, 100.6976**, and if you desaturate by 10%, it is **89.9613, 94.3933, 102.2865**.

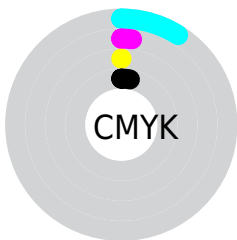
Distribution



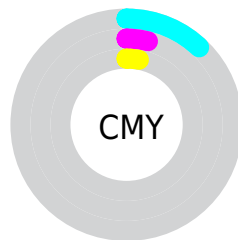
- Red (88%)
- Green (96%)
- Blue (97%)



- Red (88%)
- Yellow (92%)
- Blue (97%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (12%)
- Magenta (4%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3453, 87.4862, 101.4588 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 80.3453, 87.4862, 101.4588 by changing the saturation by 10% instead.

80.3453, 87.4862,
101.4588

80.3453, 87.4862,
101.4588

484.8146,
519.8192, 586.1462

60.3120, 65.8976,
76.8957

132.7991,
143.8416, 165.2298

43.9206, 48.1893,
56.6563

165.9502,
179.3773, 205.2748

30.8057, 33.9768,
40.3218

204.2047,
220.3307, 251.3176

20.6021, 22.8758,
27.4738

247.9279,
267.0864, 303.7766

12.9442, 14.5018,
17.6938

297.4851,
320.0287, 363.0704

7.4669, 8.4705,
10.5632

353.2418,

3.8047, 4.3975,

379.5420, 429.6176

5.6635

415.5631,
446.0107, 503.8367

■ 1.5922, 1.8983,
2.5761

■ 0.3873, 0.5474,
0.8801

■ 80.3453, 87.4862,
101.4588

■ 80.3453, 87.4862,
101.4588

■ 71.8876, 81.2260,
100.6976

■ 89.9613, 94.3933,
102.2865

■ 64.5323, 75.5764,
99.9948

■ 93.1901, 98.0506,
102.8223

■ 58.2299, 70.5140,
99.3498

■ 93.9435, 99.5574,
103.0734

■ 52.9243, 66.0095,
98.7600

■ 48.5539, 62.0310,
98.2224

■ 45.0504, 58.5428,
97.7338

■ 42.3354, 55.5043,
97.2904

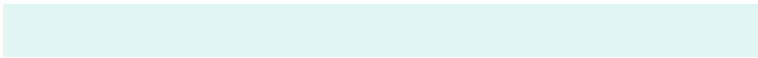
■ 40.3162, 52.8672,
96.8878

■ 38.8506, 50.5581,
96.5193

Harmonies

Analogous

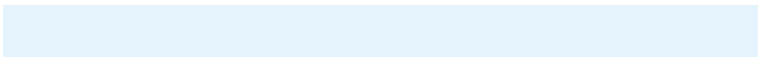
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.6830, 87.4862, 96.4538



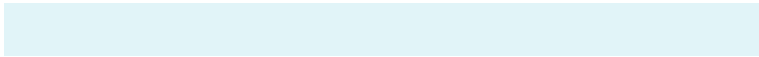
80.3453, 87.4862, 101.4588



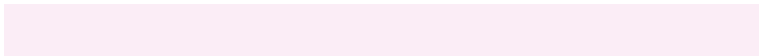
81.7614, 87.4862, 104.8897

Triad

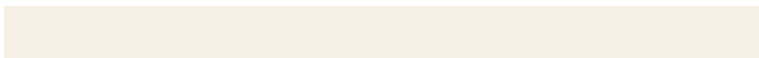
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.3453, 87.4862, 101.4588



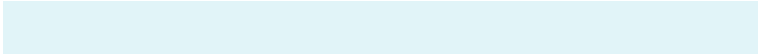
86.4516, 87.4862, 99.3221



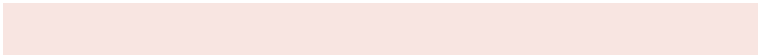
82.7378, 87.4862, 85.5296

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



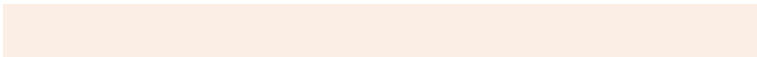
80.3453, 87.4862, 101.4588



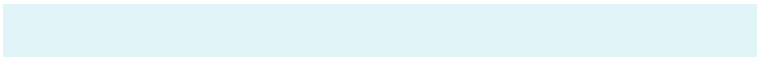
80.3218, 81.4309, 82.7200

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5604, 87.4862, 86.2340



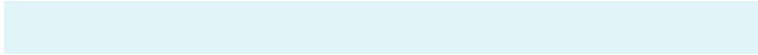
80.3453, 87.4862, 101.4588



86.7223, 87.4862, 94.0713

Square

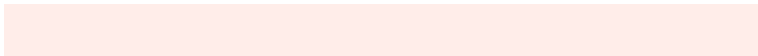
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.3453, 87.4862, 101.4588



85.2910, 87.4862, 103.6246



86.0254, 87.4862, 89.3144



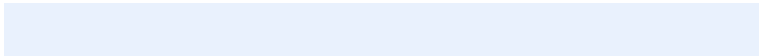
81.0510, 87.4862, 87.3536

Rectangle

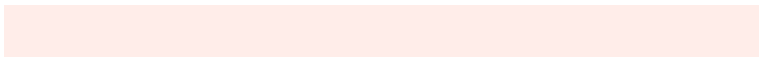
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



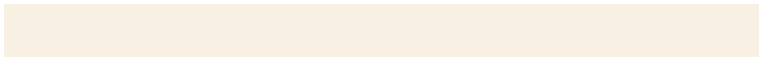
80.3453, 87.4862, 101.4588



82.9517, 87.4862, 105.7542



86.0254, 87.4862, 89.3144



83.3547, 87.4862, 85.4796

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



80.3478, 87.4899, 101.4607



91.8687, 97.7327, 108.6300



78.7398, 88.7917, 86.9968



19.4858, 20.7914, 23.2361



0.0000, 0.0000, 0.0000



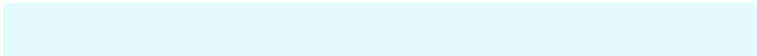
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3478, 87.4899, 101.4607



83.9376, 91.9924, 107.9401



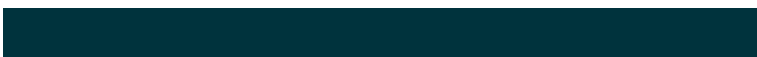
77.0407, 80.8757, 100.3584



17.4942, 19.0652, 22.1432



21.0265, 27.4085, 52.1557



2.0127, 2.6690, 4.8523

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



81.9677, 80.3403, 96.7793



85.9705, 83.0809, 102.0513



83.5617, 87.9108, 83.8000



17.8560, 17.4697, 21.0973



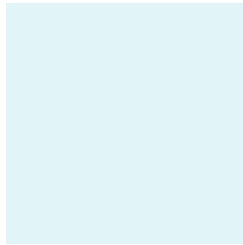
26.9052, 13.1778, 32.5389



2.5248, 1.2337, 3.1871

Previews

White Background



This preview shows how the XYZ color 80.3453, 87.4862, 101.4588 looks on a white background.

Color Contrast Check

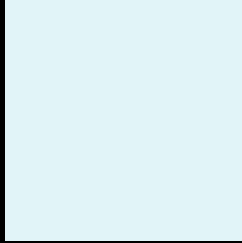
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 80.3453, 87.4862, 101.4588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

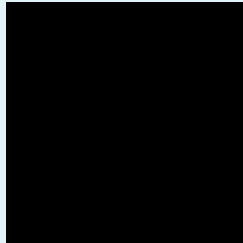
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.3453, 87.4862, 101.4588

Background



This preview shows how black text looks on a background with the XYZ color 80.3453, 87.4862, 101.4588.



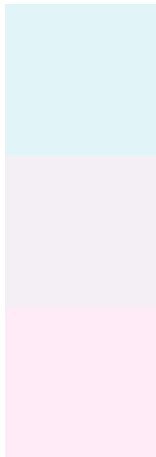
This preview shows how white text looks on a background with the XYZ color 80.3453, 87.4862,

101.4588.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

80.3453, 87.4862, 101.4588

Protanopia

84.3101, 87.3803, 98.8087

Deuteranopia

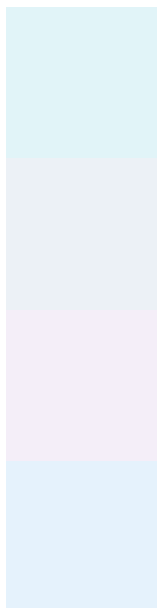
87.8916, 87.4540, 101.0549



Tritanopia

82.4603, 87.1195, 107.0774

Trichromacy



Original Color

80.3453, 87.4862, 101.4588

Protanomaly

82.6819, 87.3973, 99.7003

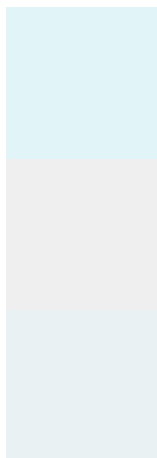
Deuteranomaly

84.8260, 87.1595, 101.1596

Tritanomaly

81.6359, 87.1905, 104.6222

Monochromacy



Original Color

80.3453, 87.4862, 101.4588

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.4140, 86.8138, 96.4702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3453, 87.4862, 101.4588 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(225, 244, 248)` looks like.

```
.text, #text, p{  
    color:rgb(225, 244, 248)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(225, 244, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 244, 248) }
```

Border

The CSS property to change the border of an element to XYZ 80.3453, 87.4862, 101.4588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 244, 248) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(225, 244, 248) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(225, 244, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 244, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 244, 248);  
box-shadow:4px 4px 4px 4px rgb(225, 244,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3453, 87.4862, 101.4588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 244, 248) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(225,  
244, 248) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor