

Converting Colors

XYZ(82.4535, 86.3232,
106.4988)

Have a look what the booklet for
XYZ(82.4535, 86.3232, 106.4988)
contains.

XYZ(82.3602, 86.2124, 106.0657)	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(82.3602, 86.2124,
106.0657)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EFFE
RGB	233, 239, 254
RGB Percent	91%, 94%, 100%
CMY	0.0863, 0.0627, 0.0039
CMYK	0.08, 0.06, 0.00, 0.00
HSL	223°, 91%, 95%
HSV	223°, 8%, 100%
XYZ	82.3602, 86.2124, 106.0657
YIQ	238.9160, -8.3910, 3.3930

Conversions

Conversions Part 2

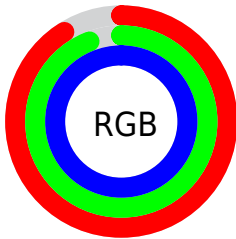
Format	Color
R_{YB}	233, 238, 254
Decimal	15331326
CIE _{Lab}	94.40, 0.81, -7.91
CIE _{LCh}	94, 7.951, 275.830
Yxy	86.2124, 0.2999, 0.3139
Android (android.graphics.Color)	4293521406 (0xFFE9E9FE)
YUV	238.9160, 7.4364, -5.1883
Hunter-Lab	92.8506, -4.1559, -2.7331

Details

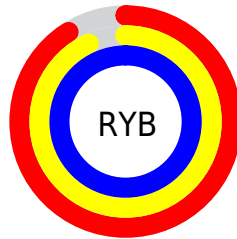
The XYZ color **82.3602, 86.2124, 106.0657** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.1488, 94.0882, 90.5546**, and the grayscale version is **81.9295, 86.1963, 93.8677**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1430, 47.2453, 59.5633** is the 20% darker color. If you saturate the color by 10%, you get **69.6115, 72.1506, 104.0248**, and if you desaturate by 10%, it is **94.8896, 99.9359, 108.0556**.

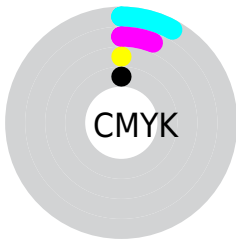
Distribution



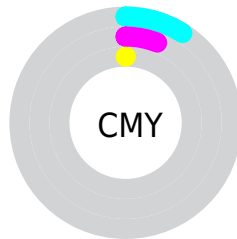
- Red (91%)
- Green (94%)
- Blue (100%)



- Red (91%)
- Yellow (93%)
- Blue (100%)



- Cyan (8%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3602, 86.2124, 106.0657 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 82.3602, 86.2124, 106.0657 by changing the saturation by 10% instead.

82.3602, 86.2124,
106.0657

82.3602, 86.2124,
106.0657

491.4680,
515.6313, 600.8817

61.9776, 64.8436,
80.7308

135.6122,
142.0658, 171.5925

45.2701, 47.3343,
59.7902

169.2123,
177.3193, 212.6215

31.8724, 33.3000,
42.8254

207.9490,
217.9698, 259.7189

21.4192, 22.3564,
29.4177

252.1875,
264.4017, 313.3033

13.5449, 14.1190,
19.1488

302.2934,
316.9994, 373.7933

7.8844, 8.2035,
11.5999

358.6318,

4.0723, 4.2254,

376.1473, 441.6073

6.3527

421.5682,
442.2298, 517.1639

■ 1.7431, 1.8004,
2.9885

■ 0.4830, 0.4874,
1.0887

■ 82.3602, 86.2124,
106.0657

■ 82.3602, 86.2124,
106.0657

■ 69.6115, 72.1506,
104.0248

94.8896, 99.9359,
108.0556

■ 58.5204, 59.7089,
102.2078

■ 49.0187, 48.8302,
100.6088

■ 41.0302, 39.4496,
99.2192

■ 34.4724, 31.4976,
98.0300

■ 29.2545, 24.8987,
97.0313

■ 25.2741, 19.5695,
96.2124

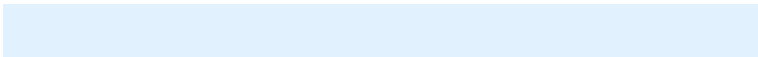
■ 22.4126, 15.4155,
95.5615

■ 20.5124, 12.3195,
95.0640

Harmonies

Analogous

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



80.2721, 86.2124, 105.0165



82.3602, 86.2124, 106.0657



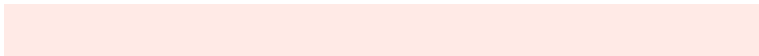
84.3702, 86.2124, 103.7341

Triad

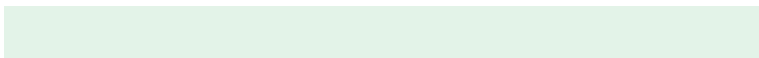
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.3602, 86.2124, 106.0657



85.3176, 86.2124, 87.1519



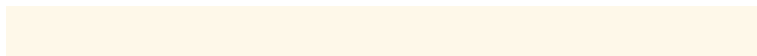
78.2519, 86.2124, 89.1363

Complementary

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



82.3602, 86.2124, 106.0657



89.1488, 94.0882, 90.5546

Split Complementary

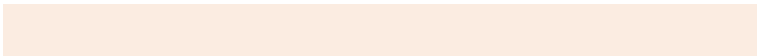
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5614, 86.2124, 84.6531



82.3602, 86.2124, 106.0657



83.6355, 86.2124, 83.5427

Square

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



82.3602, 86.2124, 106.0657



86.0966, 86.2124, 92.6809



81.5258, 86.2124, 82.6481



77.9238, 86.2124, 95.0705

Rectangle

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



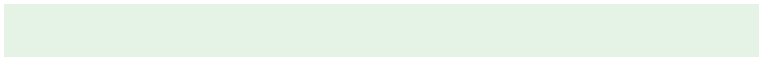
82.3602, 86.2124, 106.0657



85.3877, 86.2124, 100.6335



81.5258, 86.2124, 82.6481



78.5908, 86.2124, 87.4178

Sweetspot

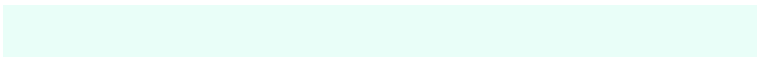
The Sweet Spot groups the original color and five complimentary colors.



82.3627, 86.2160, 106.0676



92.0476, 96.7438, 108.4297



85.9443, 94.9674, 102.3653



19.7335, 20.7413, 23.2134



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.



82.3627, 86.2160, 106.0676



80.7463, 84.4071, 106.6442



82.0217, 83.4743, 105.5564



17.4259, 18.2234, 22.8490



10.7823, 6.4741, 50.1159



1.1383, 0.8073, 4.9091

Inverse Universe

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



85.5939, 85.5825, 93.6733



84.6532, 83.6779, 91.6496



89.5039, 97.0553, 91.1086



18.2229, 18.0725, 19.7907



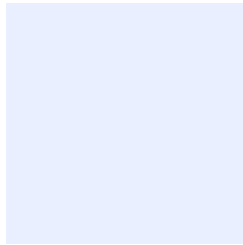
22.2306, 11.3815, 4.5987



2.2092, 1.1260, 0.6829

Previews

White Background



This preview shows how the XYZ color 82.3602, 86.2124, 106.0657 looks on a white background.

Color Contrast Check

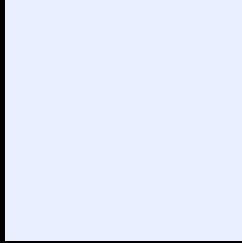
Large Text (above 18pt) WCAG AA × Fail

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 82.3602, 86.2124, 106.0657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

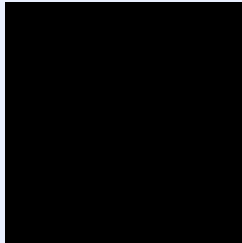
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

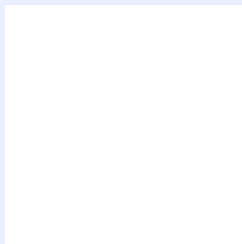
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.3602, 86.2124, 106.0657

Background



This preview shows how black text looks on a background with the XYZ color 82.3602, 86.2124, 106.0657.



This preview shows how white text looks on a background with the XYZ color 82.3602, 86.2124,

106.0657.

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

82.3602, 86.2124, 106.0657

Protanopia

83.6104, 86.0109, 105.1235

Deuteranopia

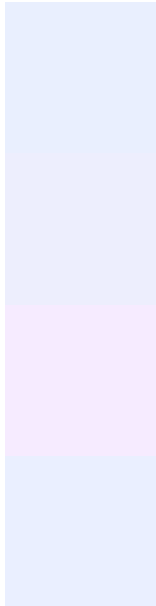
87.7797, 86.0041, 106.5817



Tritanopia

82.8482, 86.4454, 106.9268

Trichromacy



Original Color

82.3602, 86.2124, 106.0657

Protanomaly

83.2292, 86.2454, 105.1889

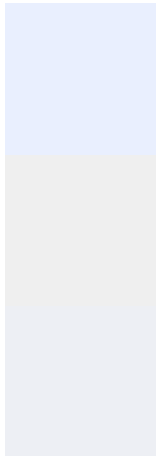
Deuteranomaly

85.7644, 86.2295, 106.7314

Tritanomaly

82.8482, 86.4454, 106.9268

Monochromacy



Original Color

82.3602, 86.2124, 106.0657

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

82.1207, 86.2692, 97.9113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.3602, 86.2124, 106.0657 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(233, 239, 254)` looks like.

```
.text, #text, p{  
    color:rgb(233, 239, 254)  
}
```

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(233, 239, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 239, 254) }
```

Border

The CSS property to change the border of an element to XYZ 82.3602, 86.2124, 106.0657 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(233, 239, 254) }
```


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

```
.border{ border-color:rgb(233, 239, 254) }
```

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

Here you see how a box with a 4 pixel rgb(233, 239, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 239, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 239, 254);  
box-shadow:4px 4px 4px 4px rgb(233, 239,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 82.3602, 86.2124, 106.0657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 239, 254) }
```

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

```
.background{ background-color: rgb(233,  
239, 254) }
```

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