

Converting Colors

XYZ(80.4524, 85.7763,
103.1912)

Have a look what the booklet for
XYZ(80.4524, 85.7763, 103.1912)
contains.

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Color

**XYZ(80.5676, 85.7792,
103.5775)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F0FB
RGB	228, 240, 251
RGB Percent	89%, 94%, 98%
CMY	0.1059, 0.0588, 0.0157
CMYK	0.09, 0.04, 0.00, 0.02
HSL	209°, 74%, 94%
HSV	209°, 9%, 98%
XYZ	80.5676, 85.7792, 103.5775
YIQ	237.6660, -10.6830, 0.8770

Conversions

Conversions Part 2

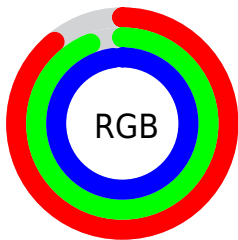
Format	Color
R _Y B	228, 236, 251
Decimal	15003899
CIE Lab	94.22, -1.88, -6.67
CIE LCh	94, 6.926, 254.269
Yxy	85.7792, 0.2985, 0.3178
Android (android.graphics.Color)	4293193979 (0xFFE4F0FB)
YUV	237.6660, 6.5737, -8.4771
Hunter-Lab	92.6171, -6.8027, -1.4745

Details

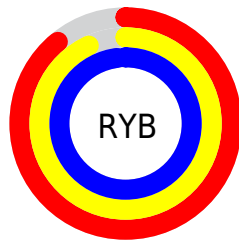
The XYZ color **80.5676, 85.7792, 103.5775** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6542, 87.8431, 85.8940**, and the grayscale version is **80.9686, 85.1853, 92.7668**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2244, 47.1053, 58.3911** is the 20% darker color. If you saturate the color by 10%, you get **69.7595, 75.1373, 102.0944**, and if you desaturate by 10%, it is **92.7704, 97.4915, 105.1964**.

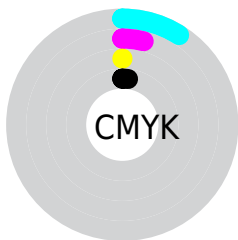
Distribution



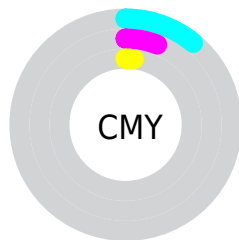
- Red (89%)
- Green (94%)
- Blue (98%)



- Red (89%)
- Yellow (93%)
- Blue (98%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (11%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5676, 85.7792, 103.5775 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 80.5676, 85.7792, 103.5775 by changing the saturation by 10% instead.

80.5676, 85.7792,
103.5775

80.5676, 85.7792,
103.5775

485.5511,
514.2029, 592.9469

60.4956, 64.4854,
78.6581

133.1098,
141.4613, 168.1595

44.0692, 47.0439,
58.0951

166.3107,
176.6184, 208.6591

30.9231, 33.0704,
41.4699

204.6186,
217.1655, 255.1893

20.6918, 22.1804,
28.3640

248.3990,
263.4868, 308.1686

13.0101, 13.9895,
18.3588

298.0170,
315.9668, 368.0154

7.5125, 8.1134,
11.0358

353.8381,

3.8338, 4.1676,

374.9899, 435.1484

5.9764

416.2277,
440.9404, 509.9861

■ 1.6086, 1.7677,
2.7622

■ 0.3980, 0.4669,
0.9745

■ 80.5676, 85.7792,
103.5775

■ 80.5676, 85.7792,
103.5775

■ 69.7595, 75.1373,
102.0944

■ 92.7704, 97.4915,
105.1964

■ 60.2844, 65.5206,
100.7376

■ 94.4128, 99.7451,
105.5448

■ 52.0872, 56.8959,
99.5049

■ 45.1054, 49.2241,
98.3920

■ 39.2711, 42.4628,
97.3945

■ 34.5088, 36.5656,
96.5072

■ 30.7332, 31.4806,
95.7247

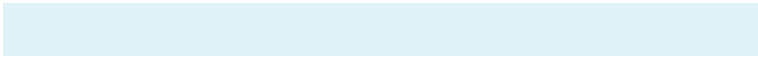
■ 27.8435, 27.1476,
95.0407

■ 25.6904, 23.4812,
94.4465

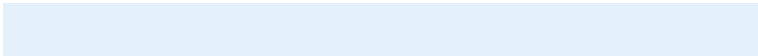
Harmonies

Analogous

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



79.0038, 85.7792, 100.7102



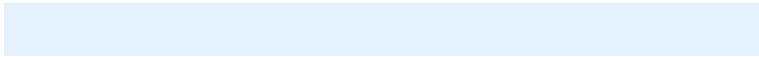
80.5676, 85.7792, 103.5775



82.4126, 85.7792, 103.6498

Triad

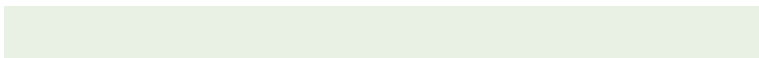
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.5676, 85.7792, 103.5775



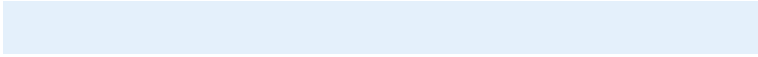
85.0354, 85.7792, 90.9045



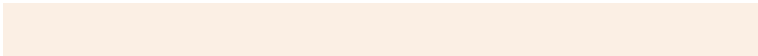
79.0668, 85.7792, 86.2755

Complementary

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



80.5676, 85.7792, 103.5775



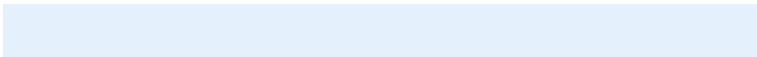
84.6542, 87.8431, 85.8940

Split Complementary

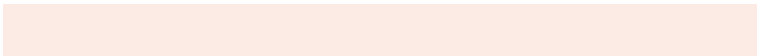
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6548, 85.7792, 83.8473



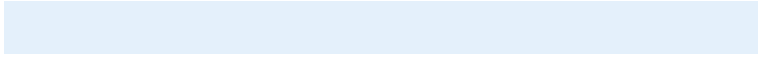
80.5676, 85.7792, 103.5775



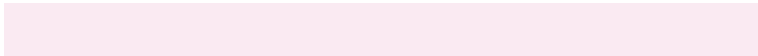
84.1107, 85.7792, 86.4504

Square

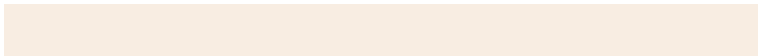
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5676, 85.7792, 103.5775



85.0112, 85.7792, 96.1952



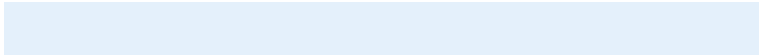
82.5012, 85.7792, 83.9101



78.1463, 85.7792, 90.6575

Rectangle

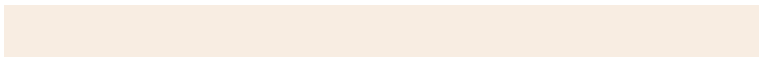
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5676, 85.7792, 103.5775



83.5549, 85.7792, 102.0951



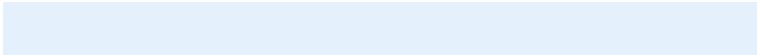
82.5012, 85.7792, 83.9101



79.5392, 85.7792, 85.2112

Sweetspot

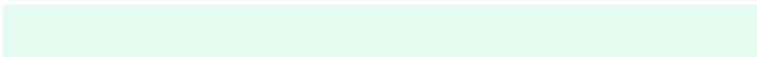
The Sweet Spot groups the original color and five complimentary colors.



80.5701, 85.7828, 103.5794



91.1356, 96.2664, 108.3857



82.0342, 91.7061, 94.8338



19.2877, 20.3951, 23.1700



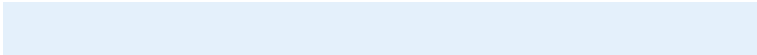
0.0000, 0.0000, 0.0000



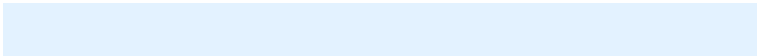
20.3446, 21.4041, 23.3091

Same Dimension

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



80.5701, 85.7828, 103.5794



81.3427, 86.8027, 107.0751



77.3638, 79.3702, 102.5106



17.0326, 18.1420, 21.9893



13.5656, 12.4868, 49.6688



1.3626, 1.3689, 4.6356

Inverse Universe

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



83.2572, 82.2891, 93.9375



84.6608, 82.5570, 95.1542



88.0468, 94.6285, 87.0249



17.6230, 17.3766, 19.8704



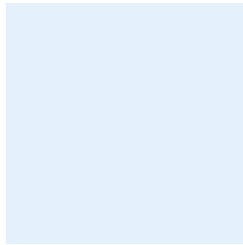
23.1393, 11.6714, 12.7079



2.1967, 1.1024, 1.4592

Previews

White Background



This preview shows how the XYZ color 80.5676, 85.7792, 103.5775 looks on a white background.

Color Contrast Check

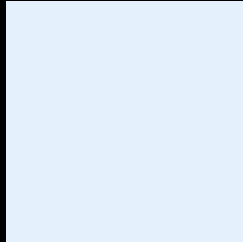
Large Text (above 18pt) WCAG AA × Fail

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 80.5676, 85.7792, 103.5775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

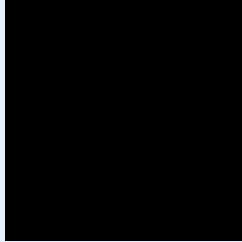
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

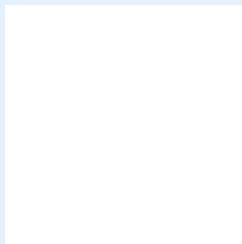
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.5676, 85.7792, 103.5775

Background



This preview shows how black text looks on a background with the XYZ color 80.5676, 85.7792, 103.5775.



This preview shows how white text looks on a background with the XYZ color 80.5676, 85.7792,

103.5775.

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

80.5676, 85.7792, 103.5775

Protanopia

82.9797, 85.7586, 101.8021

Deuteranopia

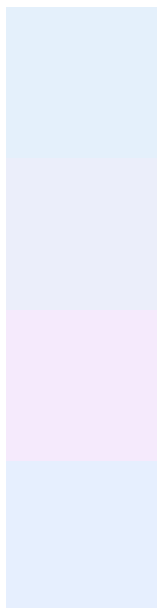
87.5455, 85.5037, 104.8182



Tritanopia

81.8715, 85.9419, 106.8811

Trichromacy



Original Color

80.5676, 85.7792, 103.5775

Protanomaly

82.0908, 85.7134, 102.6602

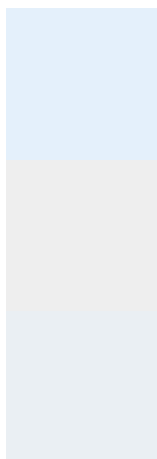
Deuteranomaly

84.6497, 85.2864, 104.0959

Tritanomaly

81.3890, 85.7118, 106.0203

Monochromacy



Original Color

80.5676, 85.7792, 103.5775

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.9758, 85.6965, 97.0672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.5676, 85.7792, 103.5775 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(228, 240, 251)` looks like.

```
.text, #text, p{  
    color:rgb(228, 240, 251)  
}
```

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(228, 240, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 240, 251) }
```

Border

The CSS property to change the border of an element to XYZ 80.5676, 85.7792, 103.5775 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(228, 240, 251) }
```


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

```
.border{ border-color:rgb(228, 240, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 240, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 240, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 240, 251);  
box-shadow:4px 4px 4px 4px rgb(228, 240,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 80.5676, 85.7792, 103.5775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 240, 251) }
```

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

```
.background{ background-color: rgb(228,  
240, 251) }
```

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](#).

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