

Converting Colors

XYZ(40.4329, 45.0217, 81.0543)

Have a look what the booklet for
XYZ(40.4329, 45.0217, 81.0543)
contains.

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Color

**XYZ(40.5340, 45.0003,
81.4125)**

Conversions

Conversions Part 1

Format	Color
Hex	80B9E6
RGB	128, 185, 230
RGB Percent	50%, 73%, 90%
CMY	0.4980, 0.2745, 0.0980
CMYK	0.44, 0.20, 0.00, 0.10
HSL	206°, 67%, 70%
HSV	206°, 44%, 90%
XYZ	40.5340, 45.0003, 81.4125
YIQ	173.0870, -48.4170, 1.9110

Conversions

Conversions Part 2

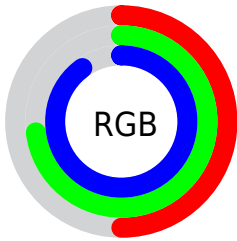
Format	Color
RYB	128, 165, 230
Decimal	8436198
CIELab	72.89, -6.80, -28.26
CIELCh	73, 29.071, 256.470
Yxy	45.0003, 0.2428, 0.2695
Android (android.graphics.Color)	4286626278 (0xFF80B9E6)
YUV	173.0870, 28.0581, -39.5413
Hunter-Lab	67.0823, -9.5366, -24.9981

Details

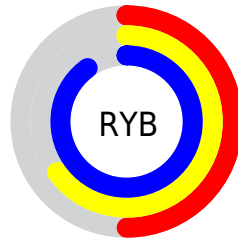
The XYZ color **40.5340, 45.0003, 81.4125** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.4742, 48.2700, 27.0277**, and the grayscale version is **39.6453, 41.7099, 45.4221**.

A 20% lighter version of the original color is **69.5129, 80.4449, 106.4714**, and **18.5637, 20.9362, 43.1071** is the 20% darker color. If you saturate the color by 10%, you get **35.4113, 39.3207, 80.5870**, and if you desaturate by 10%, it is **46.5952, 51.3905, 82.3273**.

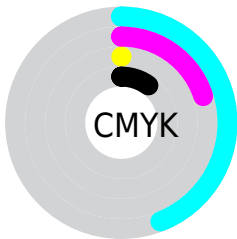
Distribution



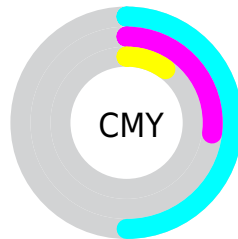
- Red (50%)
- Green (73%)
- Blue (90%)



- Red (50%)
- Yellow (65%)
- Blue (90%)



- Cyan (44%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (27%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5340, 45.0003, 81.4125 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 40.5340, 45.0003, 81.4125 by changing the saturation by 10% instead.

■ 40.5340, 45.0003,
81.4125

■ 40.5340, 45.0003,
81.4125

339.4651,
366.7748, 519.5122

■ 28.1412, 31.4577,
60.3484

■ 75.2552, 82.7209,
137.1791

■ 18.5731, 20.9476,
43.2724

■ 98.3143, 107.6676,
172.7187

■ 11.4644, 13.0857,
29.7659

■ 125.6595,
137.1844, 213.9205

■ 6.4497, 7.4876,
19.4104

157.6562,
171.6558, 261.2031

■ 3.1636, 3.7689,
11.7874

194.6698,
211.4662, 314.9850

■ 1.2409, 1.5451,
6.4783

237.0655,

■ 0.1383, 0.3202,

256.9999, 375.6848

3.0646

285.2089,
308.6413, 443.7210

■ 0.0000, 0.0000,
1.1277

■ 0.0000, 0.0000,
0.0000

■ 40.5340, 45.0003,
81.4125

■ 40.5340, 45.0003,
81.4125

■ 35.4113, 39.3207,
80.5870

■ 46.5952, 51.3905,
82.3273

■ 31.1659, 34.3127,
79.8442

■ 53.6422, 58.5174,
83.3315

■ 27.7356, 29.9403,
79.1810

■ 61.7241, 66.4116,
84.4293

■ 25.0470, 26.1608,
78.5932

■ 70.8852, 75.1003,
85.6235

■ 23.0113, 22.9232,
78.0756

■ 81.1672, 84.6091,
86.9170

■ 22.0717, 21.2904,
77.8099

■ 88.4440, 92.8150,
88.1173

■ 91.2831, 98.4932,
89.0637

Harmonies

Analogous

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



36.4105, 45.0003, 72.1201



40.5340, 45.0003, 81.4125



45.5915, 45.0003, 80.8941

Triad

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



40.5340, 45.0003, 81.4125



52.8033, 45.0003, 41.5101



36.0941, 45.0003, 32.1940

Complementary

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



40.5340, 45.0003, 81.4125



51.4742, 48.2700, 27.0277

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.



40.0702, 45.0003, 26.8285



40.5340, 45.0003, 81.4125



49.8331, 45.0003, 31.4353

Square

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



40.5340, 45.0003, 81.4125



52.9523, 45.0003, 55.8144



45.0897, 45.0003, 26.5814



33.9871, 45.0003, 42.7599

Rectangle

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



40.5340, 45.0003, 81.4125



48.8232, 45.0003, 75.0134



45.0897, 45.0003, 26.5814



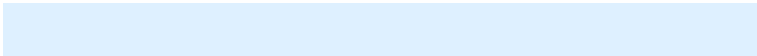
37.2416, 45.0003, 29.8222

Sweetspot

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



40.5355, 45.0020, 81.4136



79.3989, 85.2672, 106.8812



44.6658, 64.1702, 49.1640



16.4764, 17.7523, 22.8081



0.0000, 0.0000, 0.0000



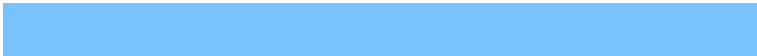
20.3446, 21.4041, 23.3091

Same Dimension

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



40.5355, 45.0020, 81.4136



45.3743, 50.4010, 101.9446



31.8226, 27.5762, 78.5093



14.2475, 15.2165, 18.3305



12.6195, 12.3011, 44.0924



1.0248, 1.0934, 3.2890

Inverse Universe

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



49.1106, 35.7657, 50.2157



57.8313, 38.6140, 56.2578



62.9716, 71.2649, 30.8602



14.7125, 14.5022, 16.6866



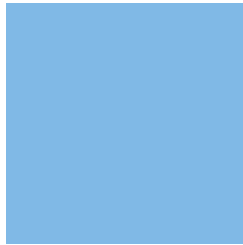
20.7632, 10.4395, 12.9141



1.5809, 0.7901, 1.1994

Previews

White Background



This preview shows how the XYZ color 40.5340, 45.0003, 81.4125 looks on a white background.

Color Contrast Check

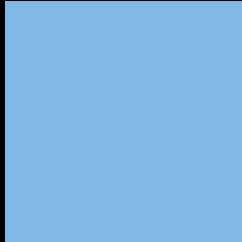
Large Text (above 18pt) WCAG AA × Fail

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 40.5340, 45.0003, 81.4125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

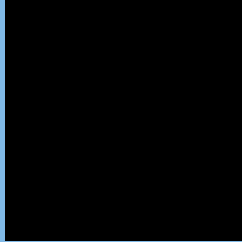
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5340, 45.0003, 81.4125

Background



This preview shows how black text looks on a background with the XYZ color 40.5340, 45.0003, 81.4125.



This preview shows how white text looks on a background with the XYZ color 40.5340, 45.0003,

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

40.5340, 45.0003, 81.4125

Protanopia

44.9162, 44.6480, 76.7716

Deuteranopia

45.8318, 44.7016, 82.5566



Tritanopia

37.1022, 44.8679, 64.4625

Trichromacy



Original Color

40.5340, 45.0003, 81.4125

Protanomaly

42.9844, 44.5035, 78.2760

Deuteranomaly

43.6808, 44.7820, 81.9429

Tritanomaly

38.4330, 45.1066, 70.2991

Monochromacy



Original Color

40.5340, 45.0003, 81.4125

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.3644, 42.5074, 57.1690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5340, 45.0003, 81.4125 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(128, 185, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 185, 230)  
}
```

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(128, 185, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 185, 230) }
```

Border

The CSS property to change the border of an element to XYZ 40.5340, 45.0003, 81.4125 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(128, 185, 230) }
```


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

```
.border{ border-color:rgb(128, 185, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 185, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 185, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 185, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 185,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5340, 45.0003, 81.4125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 185, 230) }
```

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

```
.background{ background-color: rgb(128,  
185, 230) }
```

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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