

Converting Colors

XYZ(41.6760, 50.2830, 81.6491)

Have a look what the booklet for
XYZ(41.6760, 50.2830, 81.6491)
contains.

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Color

**XYZ(41.6365, 50.1488,
81.6140)**

Conversions

Conversions Part 1

Format	Color
Hex	73C7E5
RGB	115, 199, 229
RGB Percent	45%, 78%, 90%
CMY	0.5490, 0.2196, 0.1020
CMYK	0.50, 0.13, 0.00, 0.10
HSL	196°, 69%, 67%
HSV	196°, 50%, 90%
XYZ	41.6365, 50.1488, 81.6140
YIQ	177.3040, -59.6940, -8.4780

Conversions

Conversions Part 2

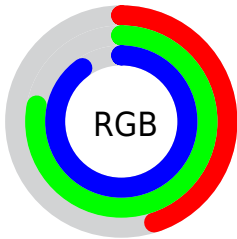
Format	Color
R _Y B	115, 163, 229
Decimal	7587813
CIE Lab	76.16, -17.51, -22.78
CIE LCh	76, 28.730, 232.455
Yxy	50.1488, 0.2401, 0.2892
Android (android.graphics.Color)	4285777893 (0xFF73C7E5)
YUV	177.3040, 25.4861, -54.6406
Hunter-Lab	70.8158, -18.9777, -18.7596

Details

The XYZ color **41.6365, 50.1488, 81.6140** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **45.5342, 38.1480, 21.1846**, and the grayscale version is **41.8438, 44.0229, 47.9410**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **19.1895, 24.0522, 43.1663** is the 20% darker color. If you saturate the color by 10%, you get **37.6320, 46.0677, 81.0382**, and if you desaturate by 10%, it is **46.4470, 54.7291, 82.2455**.

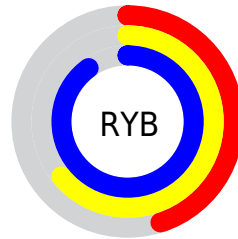
Distribution



Red (45%)

Green (78%)

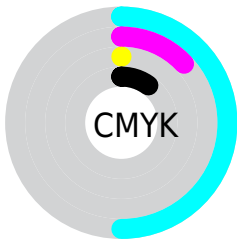
Blue (90%)



Red (45%)

Yellow (64%)

Blue (90%)

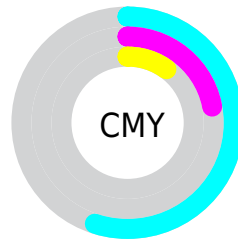


Cyan (50%)

Magenta (13%)

Yellow (0%)

Black (10%)



Cyan (55%)

Magenta (22%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6365, 50.1488, 81.6140 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 41.6365, 50.1488, 81.6140 by changing the saturation by 10% instead.

■ 41.6365, 50.1488,
81.6140

■ 41.6365, 50.1488,
81.6140

343.9912,
387.2476, 520.2051

■ 29.0066, 35.5316,
60.5135

■ 76.9178, 90.3953,
137.4644

■ 19.2301, 24.0727,
43.4046

■ 100.3000,
116.7934, 173.0513

■ 11.9417, 15.3876,
29.8690

■ 127.9969,
147.8874, 214.3041

■ 6.7759, 9.0918,
19.4879

160.3740,
184.0615, 261.6413

■ 3.3674, 4.8011,
11.8430

197.7967,
225.7001, 315.4815

■ 1.3509, 2.1311,
6.5156

240.6302,

■ 0.2208, 0.6820,

273.1878, 376.2432

3.0873

289.2399,
326.9088, 444.3449

■ 0.0000, 0.0000,
1.1394

■ 0.0000, 0.0000,
0.0000

■ 41.6365, 50.1488,
81.6140

■ 41.6365, 50.1488,
81.6140

■ 37.6320, 46.0677,
81.0382

■ 46.4470, 54.7291,
82.2455

■ 34.3717, 42.4497,
80.5117

■ 52.1099, 59.8302,
82.9316

■ 31.7921, 39.2622,
80.0325

■ 58.6737, 65.4791,
83.6760

■ 29.8159, 36.4646,
79.5966

■ 66.1817, 71.6989,
84.4808

■ 28.3136, 33.9889,
79.1979

■ 74.6742, 78.5114,
85.3482

■ 28.2826, 33.9363,
79.1894

■ 84.1894, 85.9370,
86.2800

■ 86.8936, 89.9383,
86.9097

■ 88.7089, 93.5689,
87.5148

■ 90.5838, 97.3187,
88.1398

Harmonies

Analogous

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



38.7319, 50.1488, 66.7154



41.6365, 50.1488, 81.6140



46.3198, 50.1488, 89.5421

Triad

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



41.6365, 50.1488, 81.6140



58.6697, 50.1488, 58.5857



43.8230, 50.1488, 31.5503

Complementary

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



41.6365, 50.1488, 81.6140



45.5342, 38.1480, 21.1846

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.



49.0358, 50.1488, 30.1904



41.6365, 50.1488, 81.6140



57.8756, 50.1488, 44.0541

Square

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



41.6365, 50.1488, 81.6140



56.3437, 50.1488, 74.7139



54.2489, 50.1488, 34.3259



39.9265, 50.1488, 38.4704

Rectangle

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



41.6365, 50.1488, 81.6140



49.9303, 50.1488, 88.9308



54.2489, 50.1488, 34.3259



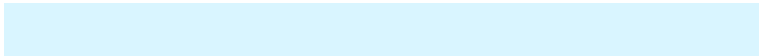
45.4692, 50.1488, 30.4882

Sweetspot

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



41.6381, 50.1507, 81.6152



79.2236, 87.1986, 107.2632



40.0868, 61.6830, 35.9805



16.5299, 18.3084, 22.9126



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.



41.6381, 50.1507, 81.6152



47.7632, 58.5123, 103.3844



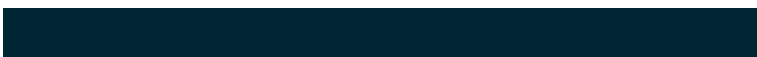
31.1123, 29.0991, 78.1066



14.4697, 15.6608, 18.4045



16.2735, 19.6092, 45.3104



1.2773, 1.5985, 3.3732

Inverse Universe

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



48.7540, 33.0445, 57.8434



58.2235, 35.6556, 67.9270



56.1791, 59.4378, 24.7329



14.8247, 14.5471, 17.2771



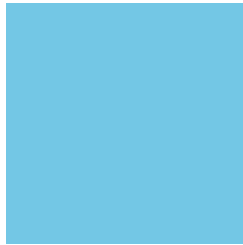
22.6076, 11.1773, 22.6265



1.7083, 0.8410, 1.8706

Previews

White Background



This preview shows how the XYZ color 41.6365, 50.1488, 81.6140 looks on a white background.

Color Contrast Check

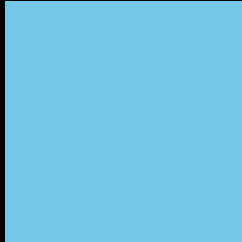
Large Text (above 18pt) WCAG AA × Fail

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 41.6365, 50.1488, 81.6140 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 41.6365, 50.1488, 81.6140

Background



This preview shows how black text looks on a background with the XYZ color 41.6365, 50.1488, 81.6140.



This preview shows how white text looks on a background with the XYZ color 41.6365, 50.1488,

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

41.6365, 50.1488, 81.6140

Protanopia

49.0896, 49.5685, 74.6905

Deuteranopia

50.7904, 49.6383, 83.2481



Tritanopia

39.9666, 50.1625, 73.2215

Trichromacy



Original Color

41.6365, 50.1488, 81.6140

Protanomaly

45.4430, 49.2225, 76.9178

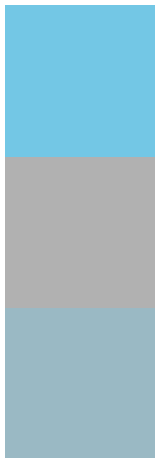
Deuteranomaly

46.7220, 49.4338, 82.6805

Tritanomaly

40.3875, 49.9738, 75.9239

Monochromacy



Original Color

41.6365, 50.1488, 81.6140

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.6392, 45.5535, 58.8753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6365, 50.1488, 81.6140 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(115, 199, 229)` looks like.

```
.text, #text, p{  
    color:rgb(115, 199, 229)  
}
```

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(115, 199, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 199, 229) }
```

Border

The CSS property to change the border of an element to XYZ 41.6365, 50.1488, 81.6140 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(115, 199, 229) }
```


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

```
.border{ border-color:rgb(115, 199, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 199, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 199, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 199, 229);  
box-shadow:4px 4px 4px 4px rgb(115, 199,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6365, 50.1488, 81.6140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 199, 229) }
```

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

```
.background{ background-color: rgb(115,  
199, 229) }
```

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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