

Converting Colors

XYZ(40.2852, 47.2328, 80.9163)

Have a look what the booklet for
XYZ(40.2852, 47.2328, 80.9163)
contains.

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Color

**XYZ(40.1950, 47.0694,
81.0955)**

Conversions

Conversions Part 1

Format	Color
Hex	74C0E5
RGB	116, 192, 229
RGB Percent	45%, 75%, 90%
CMY	0.5451, 0.2470, 0.1020
CMYK	0.49, 0.16, 0.00, 0.10
HSL	200°, 68%, 68%
HSV	200°, 49%, 90%
XYZ	40.1950, 47.0694, 81.0955
YIQ	173.4940, -57.1730, -4.6050

Conversions

Conversions Part 2

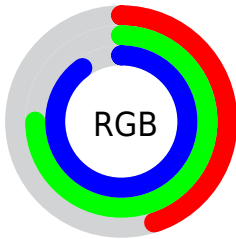
Format	Color
R _{YB}	116, 161, 229
Decimal	7651557
CIE _{Lab}	74.23, -13.64, -25.71
CIE _{LCh}	74, 29.107, 242.060
Y _{xy}	47.0694, 0.2387, 0.2796
Android (android.graphics.Color)	4285841637 (0xFF74C0E5)
YUV	173.4940, 27.3645, -50.4222
Hunter-Lab	68.6071, -15.4844, -22.0574

Details

The XYZ color **40.1950, 47.0694, 81.0955** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **46.8581, 40.7031, 21.9116**, and the grayscale version is **39.8596, 41.9354, 45.6676**.

A 20% lighter version of the original color is **69.0730, 83.3535, 107.0560**, and **18.4063, 22.3231, 42.8738** is the 20% darker color. If you saturate the color by 10%, you get **35.9134, 42.4809, 80.4364**, and if you desaturate by 10%, it is **45.3137, 52.2159, 81.8200**.

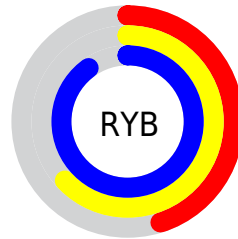
Distribution



Red (45%)

Green (75%)

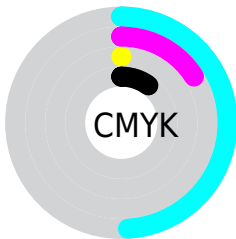
Blue (90%)



Red (45%)

Yellow (63%)

Blue (90%)

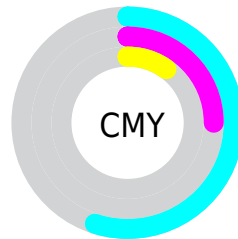


Cyan (49%)

Magenta (16%)

Yellow (0%)

Black (10%)



Cyan (55%)

Magenta (25%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1950, 47.0694, 81.0955 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 40.1950, 47.0694, 81.0955 by changing the saturation by 10% instead.

■ 40.1950, 47.0694,
81.0955

■ 40.1950, 47.0694,
81.0955

338.0651,
375.0915, 518.4209

■ 27.8755, 33.0905,
60.0888

■ 74.7428, 85.8172,
136.7301

■ 18.3718, 22.1958,
43.0644

■ 97.7018, 111.3549,
172.1951

■ 11.3186, 14.0008,
29.6039

■ 124.9381,
141.5144, 213.3167

■ 6.3504, 8.1213,
19.2886

156.8169,
176.6800, 260.5132

■ 3.1020, 4.1726,
11.7001

193.7037,
217.2361, 314.2034

■ 1.2079, 1.7706,
6.4198

235.9637,

■ 0.1126, 0.4687,

263.5671, 374.8057

3.0291

283.9624,
316.0574, 442.7387

■ 0.0000, 0.0000,
1.1095

■ 0.0000, 0.0000,
0.0000

■ 40.1950, 47.0694,
81.0955

■ 40.1950, 47.0694,
81.0955

■ 35.9134, 42.4809,
80.4364

■ 45.3137, 52.2159,
81.8200

■ 32.4071, 38.4138,
79.8361

■ 51.3166, 57.9436,
82.6091

■ 29.6122, 34.8343,
79.2925

■ 58.2525, 64.2804,
83.4667

■ 27.4515, 31.7006,
78.8015

■ 66.1650, 71.2504,
84.3950

■ 25.8021, 28.9475,
78.3571

■ 75.0951, 78.8765,
85.3963

■ 25.7017, 28.7747,
78.3290

■ 85.0811, 87.1801,
86.4727

■ 87.8815, 91.9141,
87.2389

■ 90.1898, 96.5309,
88.0084

■ 91.1430, 98.4372,
88.3261

Harmonies

Analogous

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



36.7541, 47.0694, 68.0865



40.1950, 47.0694, 81.0955



45.1001, 47.0694, 85.7079

Triad

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



40.1950, 47.0694, 81.0955



55.5452, 47.0694, 50.2233



39.6154, 47.0694, 30.5329

Complementary

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



40.1950, 47.0694, 81.0955



46.8581, 40.7031, 21.9116

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.



44.3779, 47.0694, 27.5432



40.1950, 47.0694, 81.0955



53.8017, 47.0694, 37.4475

Square

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



40.1950, 47.0694, 81.0955



54.2112, 47.0694, 65.9446



49.6111, 47.0694, 29.8065



36.4383, 47.0694, 38.9195

Rectangle

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



40.1950, 47.0694, 81.0955



48.6175, 47.0694, 82.8005



49.6111, 47.0694, 29.8065



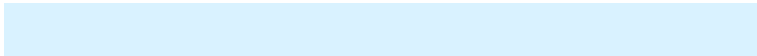
41.0706, 47.0694, 28.9461

Sweetspot

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



40.1965, 47.0712, 81.0966



78.4849, 85.7213, 107.0170



40.8730, 62.0127, 39.4301



16.3511, 17.9509, 22.8530



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.



40.1965, 47.0712, 81.0966



45.8312, 54.2126, 102.6563



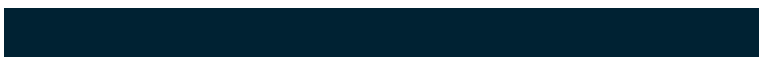
30.2524, 27.1829, 77.7819



14.3889, 15.4992, 18.3776



14.8091, 16.6803, 44.8223



1.1782, 1.4004, 3.3402

Inverse Universe

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



48.0743, 32.9562, 53.6983



57.3546, 35.7152, 62.0966



58.0917, 63.1703, 25.6561



14.7839, 14.5307, 17.0623



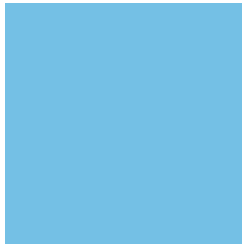
21.8685, 10.8816, 18.7341



1.6583, 0.8210, 1.6073

Previews

White Background



This preview shows how the XYZ color 40.1950, 47.0694, 81.0955 looks on a white background.

Color Contrast Check

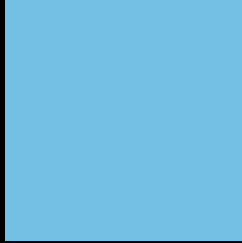
Large Text (above 18pt) WCAG AA × Fail

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 40.1950, 47.0694, 81.0955 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 40.1950, 47.0694, 81.0955

Background



This preview shows how black text looks on a background with the XYZ color 40.1950, 47.0694, 81.0955.



This preview shows how white text looks on a background with the XYZ color 40.1950, 47.0694,

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

40.1950, 47.0694, 81.0955

Protanopia

46.6060, 46.7472, 74.9733

Deuteranopia

47.7195, 46.5512, 82.8141



Tritanopia

37.7034, 47.0484, 68.7221

Trichromacy



Original Color

40.1950, 47.0694, 81.0955

Protanomaly

43.5439, 46.3382, 77.1702

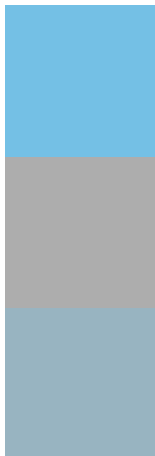
Deuteranomaly

44.3062, 46.3119, 82.2052

Tritanomaly

38.6288, 47.0903, 73.3830

Monochromacy



Original Color

40.1950, 47.0694, 81.0955

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.8958, 43.1682, 56.7343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1950, 47.0694, 81.0955 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(116, 192, 229)` looks like.

```
.text, #text, p{  
    color:rgb(116, 192, 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(116, 192, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 192, 229) }
```

Border

The CSS property to change the border of an element to XYZ 40.1950, 47.0694, 81.0955 is called "border". The border property can be set on classes, ids or directly on the HTML element.

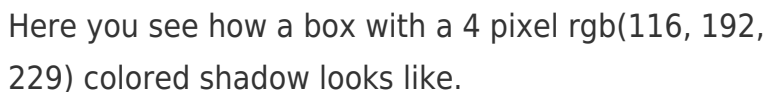
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 192, 229) }
```


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

```
.border{ border-color:rgb(116, 192, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 192, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 192, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 192, 229);  
box-shadow:4px 4px 4px 4px rgb(116, 192,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1950, 47.0694, 81.0955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 192, 229) }
```

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

```
.background{ background-color: rgb(116,  
192, 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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