

Converting Colors

XYZ(40.2417, 46.0603, 83.8604)

Have a look what the booklet for
XYZ(40.2417, 46.0603, 83.8604)
contains.

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Color

**XYZ(40.2417, 46.0603,
83.8604)**

Conversions

Conversions Part 1

Format	Color
Hex	75BDE9
RGB	117, 189, 233
RGB Percent	46%, 74%, 91%
CMY	0.5412, 0.2588, 0.0863
CMYK	0.50, 0.19, 0.00, 0.09
HSL	203°, 73%, 69%
HSV	203°, 50%, 91%
XYZ	40.2417, 46.0603, 83.8604
YIQ	172.4880, -57.0360, -1.5800

Conversions

Conversions Part 2

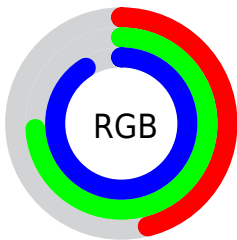
Format	Color
R _{YB}	117, 161, 233
Decimal	7716329
CIE _{Lab}	73.58, -10.69, -28.87
CIE _{LCh}	74, 30.788, 249.677
Yxy	46.0603, 0.2365, 0.2707
Android (android.graphics.Color)	4285906409 (0xFF75BDE9)
YUV	172.4880, 29.8324, -48.6630
Hunter-Lab	67.8677, -12.9282, -25.7539

Details

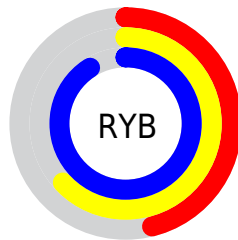
The XYZ color **40.2417, 46.0603, 83.8604** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **49.5613, 44.0993, 22.7311**, and the grayscale version is **39.3355, 41.3840, 45.0671**.

A 20% lighter version of the original color is **68.3816, 81.6388, 106.7615**, and **18.4273, 21.6525, 44.8031** is the 20% darker color. If you saturate the color by 10%, you get **35.6487, 40.9566, 83.1182**, and if you desaturate by 10%, it is **45.7326, 51.8008, 84.6799**.

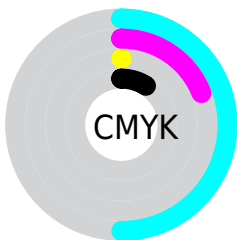
Distribution



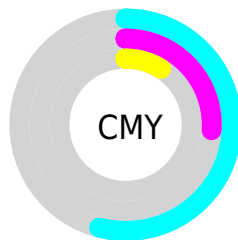
- Red (46%)
- Green (74%)
- Blue (91%)



- Red (46%)
- Yellow (63%)
- Blue (91%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (9%)



- Cyan (54%)
- Magenta (26%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2417, 46.0603, 83.8604 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 40.2417, 46.0603, 83.8604 by changing the saturation by 10% instead.

■ 40.2417, 46.0603,
83.8604

■ 40.2417, 46.0603,
83.8604

338.2582,
371.0510, 527.8955

■ 27.9121, 32.2934,
62.3555

■ 74.8134, 84.3092,
140.6399

■ 18.3995, 21.5857,
44.8823

■ 97.7863, 109.5601,
176.7515

■ 11.3386, 13.5528,
31.0225

■ 125.0375,
139.4077, 218.5691

■ 6.3640, 7.8103,
20.3574

156.9326,
174.2364, 266.5112

■ 3.1104, 3.9738,
12.4684

193.8369,
214.4308, 320.9963

■ 1.2124, 1.6589,
6.9371

236.1157,

■ 0.1161, 0.3968,

260.3750, 382.4430

3.3450

284.1343,
312.4537, 451.2699

■ 0.0000, 0.0000,
1.2734

■ 0.0000, 0.0000,
0.0398

■ 40.2417, 46.0603,
83.8604

■ 40.2417, 46.0603,
83.8604

■ 35.6487, 40.9566,
83.1182

■ 45.7326, 51.8008,
84.6799

■ 31.8880, 36.4500,
82.4466

■ 52.1718, 58.2041,
85.5764

■ 28.8920, 32.5035,
81.8427

■ 59.6108, 65.3006,
86.5541

■ 26.5783, 29.0713,
81.3022

■ 68.0962, 73.1173,
87.6157

■ 24.8114, 26.0803,
80.8180

■ 77.6713, 81.6791,
88.7636

■ 24.7759, 26.0187,
80.8080

■ 87.7094, 90.6657,
89.9691

■ 90.4043, 96.0555,
90.8674

■ 91.7082, 98.6633,
91.3021

Harmonies

Analogous

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



36.2036, 46.0603, 71.8401



40.2417, 46.0603, 83.8604



45.5629, 46.0603, 85.9057

Triad

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



40.2417, 46.0603, 83.8604



54.9345, 46.0603, 45.2776



37.4276, 46.0603, 30.4294

Complementary

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



40.2417, 46.0603, 83.8604



49.5613, 44.0993, 22.7311

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.



42.0421, 46.0603, 26.0165



40.2417, 46.0603, 83.8604



52.3434, 46.0603, 33.3374

Square

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



40.2417, 46.0603, 83.8604



54.3515, 46.0603, 61.3058



47.5176, 46.0603, 26.9574



34.6748, 46.0603, 40.4402

Rectangle

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



40.2417, 46.0603, 83.8604



49.1711, 46.0603, 80.9820



47.5176, 46.0603, 26.9574



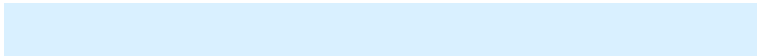
38.7961, 46.0603, 28.3471

Sweetspot

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



40.2432, 46.0620, 83.8615



77.8960, 84.5434, 106.8207



42.7808, 64.5827, 43.2567



16.2089, 17.6663, 22.8056



0.0000, 0.0000, 0.0000



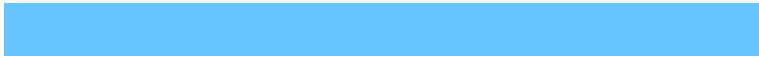
20.3446, 21.4041, 23.3091

Same Dimension

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



40.2432, 46.0620, 83.8615



43.4880, 49.9618, 101.9593



30.3603, 26.2962, 80.5672



15.0099, 16.1063, 19.2400



14.1814, 15.0098, 45.8927



1.2058, 1.3631, 3.6344

Inverse Universe

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



49.1522, 33.7219, 52.0642



56.0655, 34.7924, 56.5634



61.7669, 68.5103, 26.7996



15.4586, 15.2113, 17.7001



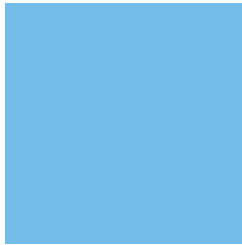
22.0134, 11.0081, 16.4038



1.7751, 0.8830, 1.5333

Previews

White Background



This preview shows how the XYZ color 40.2417, 46.0603, 83.8604 looks on a white background.

Color Contrast Check

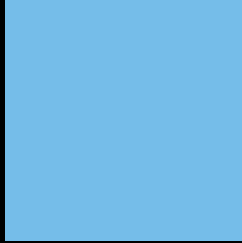
Large Text (above 18pt) WCAG AA × Fail

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 40.2417, 46.0603, 83.8604 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 40.2417, 46.0603, 83.8604

Background



This preview shows how black text looks on a background with the XYZ color 40.2417, 46.0603, 83.8604.



This preview shows how white text looks on a background with the XYZ color 40.2417, 46.0603,

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

40.2417, 46.0603, 83.8604

Protanopia

45.6595, 45.6019, 77.6297

Deuteranopia

46.7988, 45.7159, 85.7144



Tritanopia

36.8853, 45.9946, 67.2554

Trichromacy



Original Color

40.2417, 46.0603, 83.8604

Protanomaly

43.1260, 45.4469, 79.8979

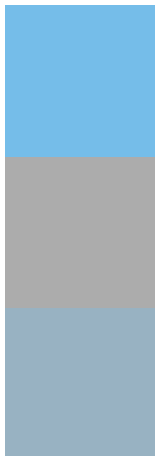
Deuteranomaly

43.9137, 45.4355, 85.0527

Tritanomaly

38.1866, 46.2060, 73.2357

Monochromacy



Original Color

40.2417, 46.0603, 83.8604

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.6069, 42.4112, 57.1903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2417, 46.0603, 83.8604 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(117, 189, 233)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 233)  
}
```

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(117, 189, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 233) }
```

Border

The CSS property to change the border of an element to XYZ 40.2417, 46.0603, 83.8604 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(117, 189, 233) }
```


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

```
.border{ border-color:rgb(117, 189, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 233);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2417, 46.0603, 83.8604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 233) }
```

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

```
.background{ background-color: rgb(117,  
189, 233) }
```

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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