

Converting Colors

XYZ(41.9043, 48.9648, 95.9427)

Have a look what the booklet for
XYZ(41.9043, 48.9648, 95.9427)
contains.

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Color

**XYZ(41.9387, 48.9665,
96.0480)**

Conversions

Conversions Part 1

Format	Color
Hex	64C4F8
RGB	100, 196, 248
RGB Percent	39%, 77%, 97%
CMY	0.6078, 0.2314, 0.0274
CMYK	0.60, 0.21, 0.00, 0.03
HSL	201°, 91%, 68%
HSV	201°, 60%, 97%
XYZ	41.9387, 48.9665, 96.0480
YIQ	173.2240, -73.9080, -4.1800

Conversions

Conversions Part 2

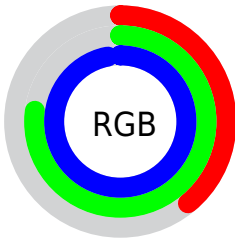
Format	Color
R _Y B	100, 158, 248
Decimal	6604024
CIE Lab	75.43, -13.44, -34.17
CIE LCh	75, 36.721, 248.524
Yxy	48.9665, 0.2243, 0.2619
Android (android.graphics.Color)	4284794104 (0xFF64C4F8)
YUV	173.2240, 36.8646, -64.2174
Hunter-Lab	69.9761, -15.4779, -32.3972

Details

The XYZ color **41.9387, 48.9665, 96.0480** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.2415, 43.3352, 17.6695**, and the grayscale version is **39.6812, 41.7478, 45.4633**.

A 20% lighter version of the original color is **67.8732, 85.0476, 107.4463**, and **19.3264, 23.2362, 52.7566** is the 20% darker color. If you saturate the color by 10%, you get **37.6931, 43.9451, 95.3035**, and if you desaturate by 10%, it is **47.1364, 54.6500, 96.8720**.

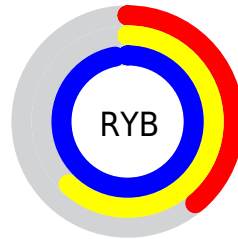
Distribution



Red (39%)

Green (77%)

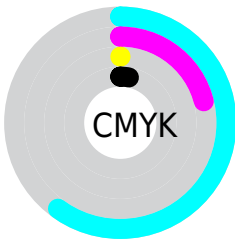
Blue (97%)



Red (39%)

Yellow (62%)

Blue (97%)

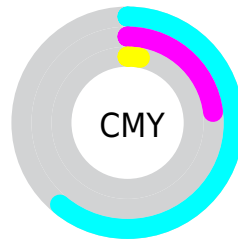


Cyan (60%)

Magenta (21%)

Yellow (0%)

Black (3%)



Cyan (61%)

Magenta (23%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9387, 48.9665, 96.0480 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 41.9387, 48.9665, 96.0480 by changing the saturation by 10% instead.

41.9387, 48.9665,
96.0480

41.9387, 48.9665,
96.0480

345.2247,
382.6104, 568.5844

29.2442, 34.5929,
72.4058

77.3726, 88.6417,
157.7197

19.4108, 23.3495,
53.0014

100.8427,
114.7121, 196.5863

12.0733, 14.8518,
37.4162

128.6353,
145.4502, 241.3648

6.8662, 8.7154,
25.2316

161.1159,
181.2404, 292.4737

3.4241, 4.5560,
16.0291

198.6498,
222.4672, 350.3316

1.3818, 1.9892,
9.3901

241.6023,

0.2432, 0.6012,

269.5148, 415.3569

4.8963

290.3389,
322.7678, 487.9684

■ 0.0000, 0.0000,
2.1288

■ 0.0000, 0.0000,
0.6329

■ 41.9387, 48.9665,
96.0480

■ 41.9387, 48.9665,
96.0480

■ 37.6931, 43.9451,
95.3035

■ 47.1364, 54.6500,
96.8720

■ 34.3142, 39.5362,
94.6306

■ 53.3516, 61.0294,
97.7758

■ 31.7084, 35.6896,
94.0254

■ 60.6494, 68.1419,
98.7640

■ 29.7244, 32.3242,
93.4804

■ 69.0878, 76.0199,
99.8399

■ 29.6647, 32.2199,
93.4634

■ 78.7203, 84.6938,
101.0064

■ 89.5969, 94.1918,
102.2664

■ 93.9435, 99.5574,
103.0730

Harmonies

Analogous

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



37.0868, 48.9665, 80.0528



41.9387, 48.9665, 96.0480



48.4963, 48.9665, 99.3049

Triad

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



41.9387, 48.9665, 96.0480



60.6295, 48.9665, 47.9820



38.8992, 48.9665, 29.1560

Complementary

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



41.9387, 48.9665, 96.0480



52.2415, 43.3352, 17.6695

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.



44.6394, 48.9665, 24.3052



41.9387, 48.9665, 96.0480



57.4795, 48.9665, 33.3137

Square

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



41.9387, 48.9665, 96.0480



59.7280, 48.9665, 68.1539



51.4687, 48.9665, 25.6166



35.4539, 48.9665, 40.8053

Rectangle

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



41.9387, 48.9665, 96.0480



53.0343, 48.9665, 93.2106



51.4687, 48.9665, 25.6166



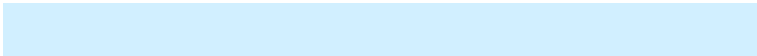
40.6010, 48.9665, 26.8225

Sweetspot

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



41.9404, 48.9683, 96.0492



75.2021, 82.4485, 106.5583



44.4756, 72.1059, 41.1959



15.4950, 17.0967, 22.7333



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.



41.9404, 48.9683, 96.0492



39.1980, 45.6149, 101.3463



29.1847, 23.4569, 91.7973



17.2226, 18.5221, 22.0527



16.1615, 17.6785, 50.5340



1.5963, 1.8363, 4.7135

Inverse Universe

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



53.2338, 33.0581, 55.8014



52.8668, 29.5568, 51.9159



68.1550, 75.1620, 22.9740



17.7189, 17.4149, 20.3755



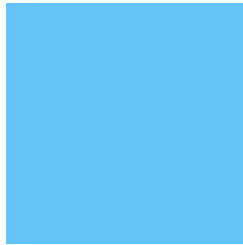
24.4496, 12.1956, 19.6077



2.3147, 1.1496, 2.0805

Previews

White Background



This preview shows how the XYZ color 41.9387, 48.9665, 96.0480 looks on a white background.

Color Contrast Check

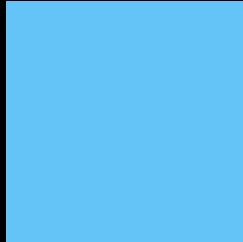
Large Text (above 18pt) WCAG AA × Fail

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 41.9387, 48.9665, 96.0480 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

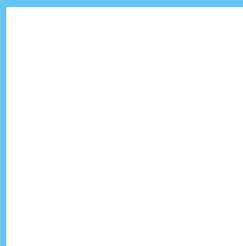
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.9387, 48.9665, 96.0480

Background



This preview shows how black text looks on a background with the XYZ color 41.9387, 48.9665, 96.0480.



This preview shows how white text looks on a background with the XYZ color 41.9387, 48.9665,

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

41.9387, 48.9665, 96.0480

Protanopia

48.9437, 48.5861, 87.6874

Deuteranopia

49.6576, 48.4203, 97.9956



Tritanopia

37.4720, 48.8615, 73.7859

Trichromacy



Original Color

41.9387, 48.9665, 96.0480

Protanomaly

45.6873, 48.3970, 90.9380

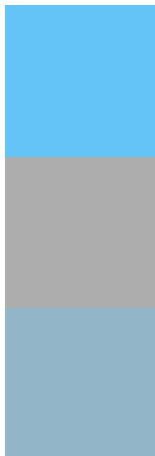
Deuteranomaly

46.0101, 48.1055, 97.3028

Tritanomaly

38.9799, 48.7793, 81.4896

Monochromacy



Original Color

41.9387, 48.9665, 96.0480

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.8033, 43.3289, 60.9617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9387, 48.9665, 96.0480 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(100, 196, 248)` looks like.

```
.text, #text, p{  
    color:rgb(100, 196, 248)  
}
```

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(100, 196, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 196, 248) }
```

Border

The CSS property to change the border of an element to XYZ 41.9387, 48.9665, 96.0480 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(100, 196, 248) }
```


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

```
.border{ border-color:rgb(100, 196, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 196, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 196, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 196, 248);  
box-shadow:4px 4px 4px 4px rgb(100, 196,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9387, 48.9665, 96.0480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 196, 248) }
```

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

```
.background{ background-color: rgb(100,  
196, 248) }
```

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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