

Converting Colors

XYZ(48.6076, 63.5267, 96.0862)

Have a look what the booklet for
XYZ(48.6076, 63.5267, 96.0862)
contains.

XYZ(48.6076, 63.5267, 96.0862)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.6076, 63.5267,
96.0862)**

Conversions

Conversions Part 1

Format	Color
Hex	61E2F5
RGB	97, 226, 245
RGB Percent	38%, 89%, 96%
CMY	0.6196, 0.1137, 0.0392
CMYK	0.60, 0.08, 0.00, 0.04
HSL	188°, 88%, 67%
HSV	188°, 60%, 96%
XYZ	48.6076, 63.5267, 96.0862
YIQ	189.5950, -82.9830, -21.4390

Conversions

Conversions Part 2

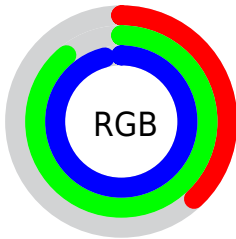
Format	Color
R _Y B	97, 166, 245
Decimal	6415093
CIE Lab	83.72, -29.98, -19.91
CIE LCh	84, 35.985, 213.588
Yxy	63.5267, 0.2334, 0.3051
Android (android.graphics.Color)	4284605173 (0xFF61E2F5)
YUV	189.5950, 27.3147, -81.2058
Hunter-Lab	79.7036, -30.6224, -15.6841

Details

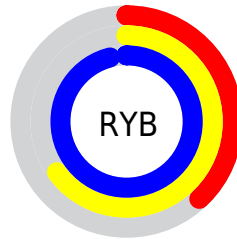
The XYZ color **48.6076, 63.5267, 96.0862** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.0609, 32.7682, 15.2085**, and the grayscale version is **48.5951, 51.1259, 55.6761**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **23.5600, 32.4236, 53.1607** is the 20% darker color. If you saturate the color by 10%, you get **45.5420, 60.6897, 95.7013**, and if you desaturate by 10%, it is **52.4987, 66.8153, 96.5170**.

Distribution



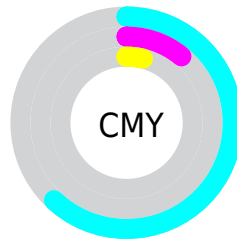
- Red (38%)
- Green (89%)
- Blue (96%)



- Red (38%)
- Yellow (65%)
- Blue (96%)



- Cyan (60%)
- Magenta (8%)
- Yellow (0%)
- Black (4%)



- Cyan (62%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6076, 63.5267, 96.0862 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 48.6076, 63.5267, 96.0862 by changing the saturation by 10% instead.

48.6076, 63.5267,
96.0862

48.6076, 63.5267,
96.0862

371.7381,
437.4785, 568.7094

34.5216, 46.2674,
72.4375

87.3126, 109.9290,
157.7728

23.4593, 32.4569,
53.0271

112.6623,
139.8409, 196.6478

15.0556, 21.7107,
37.4365

142.4972,
174.7390, 241.4354

8.9450, 13.6445,
25.2472

177.1827,
215.0079, 292.5539

4.7621, 7.8738,
16.0406

217.0843,
261.0319, 350.4221

2.1417, 4.0143,
9.3983

262.5671,

0.7117, 1.6816,

313.1954, 415.4583

4.9015

313.9966,
371.8828, 488.0813

■ 0.0000, 0.4117,
2.1319

■ 0.0000, 0.0000,
0.6346

■ 48.6076, 63.5267,
96.0862

■ 48.6076, 63.5267,
96.0862

■ 45.5420, 60.6897,
95.7013

■ 52.4987, 66.8153,
96.5170

■ 43.2189, 58.2572,
95.3543


■ 57.2766, 70.5831,
96.9925


■ 41.5484, 56.1842,
95.0422


■ 63.0035, 74.8637,
97.5169


■ 40.4146, 54.4585,
94.7689


■ 69.7344, 79.6856,
98.0928

 77.5200, 85.0748,
98.7227

 86.4074, 91.0560,
99.4088

 91.2950, 94.9993,
99.9123

 92.2702, 96.9497,
100.2374

 93.2617, 98.9328,
100.5679

Harmonies

Analogous

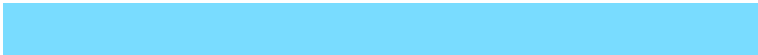
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.4742, 63.5267, 71.9232



48.6076, 63.5267, 96.0862



53.8824, 63.5267, 115.8153

Triad

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



48.6076, 63.5267, 96.0862



75.0062, 63.5267, 90.3441



59.4362, 63.5267, 34.2472

Complementary

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



48.6076, 63.5267, 96.0862



46.0609, 32.7682, 15.2085

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.



67.3805, 63.5267, 37.1075



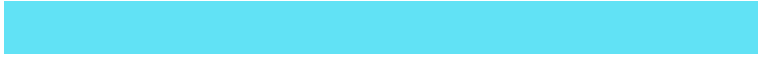
48.6076, 63.5267, 96.0862



76.8156, 63.5267, 66.4875

Square

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



48.6076, 63.5267, 96.0862



69.1643, 63.5267, 112.0253



73.9150, 63.5267, 47.8174



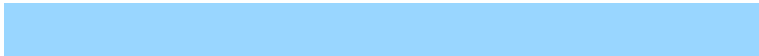
52.3732, 63.5267, 38.9309

Rectangle

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



48.6076, 63.5267, 96.0862



58.7023, 63.5267, 121.9293



73.9150, 63.5267, 47.8174



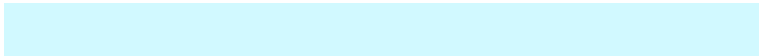
62.0898, 63.5267, 34.3642

Sweetspot

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



48.6096, 63.5291, 96.0877



78.2818, 88.6079, 107.5849



40.6364, 69.0687, 27.1913



16.2534, 18.6135, 22.9861



0.0000, 0.0000, 0.0000



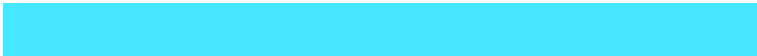
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6096, 63.5291, 96.0877



49.3747, 65.9682, 104.7386



32.9249, 32.1596, 90.8595



16.8046, 18.3735, 21.2033



21.8440, 29.4817, 51.0773



1.9695, 2.6904, 4.5057

Inverse Universe

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



55.6601, 33.4548, 75.4778



58.0035, 31.6114, 78.9654



57.8559, 56.3582, 19.1402



17.1167, 16.7295, 20.3611



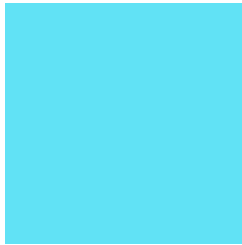
26.8303, 13.0756, 35.4105



2.3832, 1.1592, 3.2441

Previews

White Background



This preview shows how the XYZ color 48.6076, 63.5267, 96.0862 looks on a white background.

Color Contrast Check

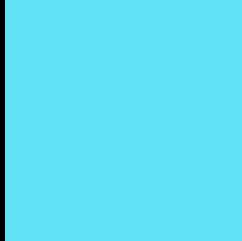
Large Text (above 18pt) WCAG AA × Fail

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 48.6076, 63.5267, 96.0862 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

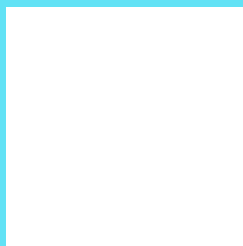
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6076, 63.5267, 96.0862

Background



This preview shows how black text looks on a background with the XYZ color 48.6076, 63.5267, 96.0862.

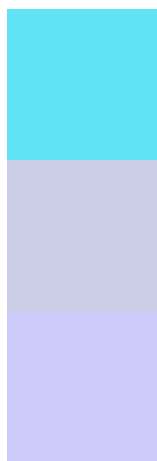


This preview shows how white text looks on a background with the XYZ color 48.6076, 63.5267,

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

48.6076, 63.5267, 96.0862

Protanopia

61.5386, 62.8062, 85.2233

Deuteranopia

64.0649, 62.7358, 99.1751



Tritanopia

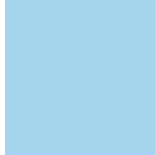
48.4553, 63.4658, 95.2842

Trichromacy



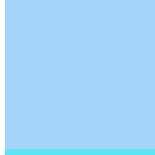
Original Color

48.6076, 63.5267, 96.0862



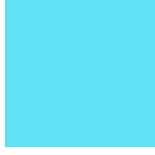
Protanomaly

54.5974, 61.7023, 89.1529



Deuteranomaly

55.9634, 61.4728, 97.7228



Tritanomaly

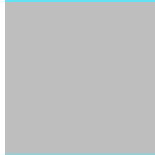
48.4553, 63.4658, 95.2842

Monochromacy



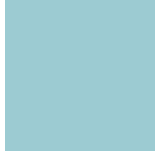
Original Color

48.6076, 63.5267, 96.0862



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

46.6991, 54.4329, 69.0181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6076, 63.5267, 96.0862 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(97, 226, 245)` looks like.

```
.text, #text, p{  
    color:rgb(97, 226, 245)  
}
```

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(97, 226, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 226, 245) }
```

Border

The CSS property to change the border of an element to XYZ 48.6076, 63.5267, 96.0862 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(97, 226, 245) }
```


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

```
.border{ border-color:rgb(97, 226, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 226, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 226, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 226, 245);  
box-shadow:4px 4px 4px 4px rgb(97, 226,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6076, 63.5267, 96.0862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 226, 245) }
```

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

```
.background{ background-color: rgb(97, 226,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor