

Converting Colors

XYZ(48.6195, 56.1052, 98.6991)

Have a look what the booklet for
XYZ(48.6195, 56.1052, 98.6991)
contains.

XYZ(48.6214, 56.1949, 98.7266)	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(48.6214, 56.1949,
98.7266)**

Conversions

Conversions Part 1

Format	Color
Hex	81CFFA
RGB	129, 207, 250
RGB Percent	51%, 81%, 98%
CMY	0.4941, 0.1882, 0.0196
CMYK	0.48, 0.17, 0.00, 0.02
HSL	201°, 92%, 74%
HSV	201°, 48%, 98%
XYZ	48.6214, 56.1949, 98.7266
YIQ	188.5800, -60.2910, -3.1630

Conversions

Conversions Part 2

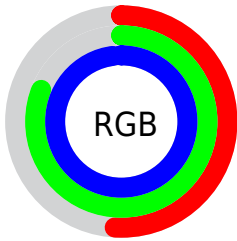
Format	Color
RYB	129, 176, 250
Decimal	8507386
CIELab	79.72, -12.72, -28.53
CIELCh	80, 31.243, 245.969
Yxy	56.1949, 0.2389, 0.2761
Android (android.graphics.Color)	4286697466 (0xFF81CFFA)
YUV	188.5800, 30.2801, -52.2517
Hunter-Lab	74.9633, -15.4101, -25.6106

Details

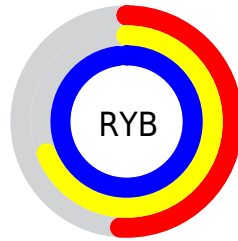
The XYZ color **48.6214, 56.1949, 98.7266** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.1408, 51.4157, 27.6306**, and the grayscale version is **47.9891, 50.4882, 54.9817**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **23.4711, 27.8979, 54.5999** is the 20% darker color. If you saturate the color by 10%, you get **43.1864, 50.2882, 97.8740**, and if you desaturate by 10%, it is **55.1101, 62.8269, 99.6657**.

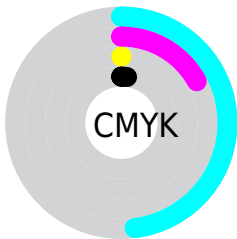
Distribution



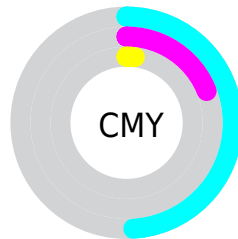
- Red (51%)
- Green (81%)
- Blue (98%)



- Red (51%)
- Yellow (69%)
- Blue (98%)



- Cyan (48%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)



- Cyan (49%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6214, 56.1949, 98.7266 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 48.6214, 56.1949, 98.7266 by changing the saturation by 10% instead.

■ 48.6214, 56.1949,
98.7266

■ 48.6214, 56.1949,
98.7266

371.7917,
410.4256, 577.3140

■ 34.5325, 40.3592,
74.6265

■ 87.3330, 99.2895,
161.4427

■ 23.4678, 27.8187,
54.8071

■ 112.6865,
127.3172, 200.8959

■ 15.0619, 18.1891,
38.8498

■ 142.5255,
160.1776, 246.3038

■ 8.9495, 11.0858,
26.3359

177.2154,
198.2553, 298.0850

■ 4.7651, 6.1246,
16.8471

217.1217,
241.9345, 356.6582

■ 2.1434, 2.9210,
9.9647

262.6096,

■ 0.7127, 1.0906,

291.5997, 422.4417

5.2703

314.0444,
347.6353, 495.8541

■ 0.0000, 0.0000,
2.3452

■ 0.0000, 0.0000,
0.7564

■ 48.6214, 56.1949,
98.7266

■ 48.6214, 56.1949,
98.7266

■ 43.1864, 50.2882,
97.8740

■ 55.1101, 62.8269,
99.6657

■ 38.7286, 45.0610,
97.1000

■ 62.7108, 70.2137,
100.6909

■ 35.1692, 40.4709,
96.4016

■ 71.4839, 78.3904,
101.8068

■ 32.4135, 36.4658,
95.7738

■ 81.4837, 87.3875,
103.0164

■ 30.3288, 32.9743,
95.2097

■ 92.7607, 97.2341,
104.3226

■ 30.0282, 32.4475,
95.1239

■ 94.2555, 99.6822,
104.7163

Harmonies

Analogous

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



44.1813, 56.1949, 83.9495



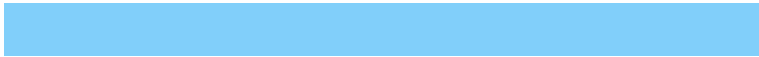
48.6214, 56.1949, 98.7266



54.6833, 56.1949, 102.6618

Triad

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



48.6214, 56.1949, 98.7266



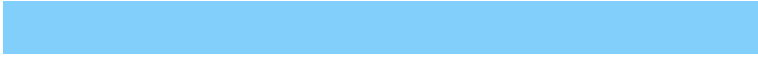
66.4105, 56.1949, 57.6438



46.5974, 56.1949, 37.1523

Complementary

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



48.6214, 56.1949, 98.7266



58.1408, 51.4157, 27.6306

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.



52.1597, 56.1949, 32.7252



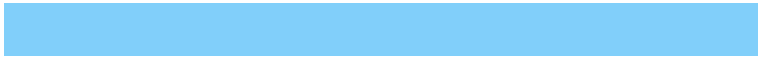
48.6214, 56.1949, 98.7266



63.8454, 56.1949, 42.9624

Square

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



48.6214, 56.1949, 98.7266



65.2771, 56.1949, 76.4561



58.5064, 56.1949, 34.6210



43.0788, 56.1949, 48.0990

Rectangle

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



48.6214, 56.1949, 98.7266



58.9026, 56.1949, 98.0448



58.5064, 56.1949, 34.6210



48.2728, 56.1949, 34.9619

Sweetspot

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



48.6232, 56.1970, 98.7279



78.1670, 85.0854, 106.9110



50.6246, 75.9934, 50.7052



16.2743, 17.7972, 22.8274



0.0000, 0.0000, 0.0000



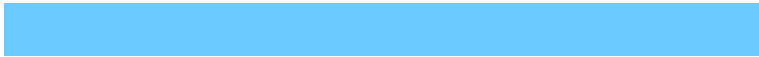
20.3446, 21.4041, 23.3091

Same Dimension

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



48.6232, 56.1970, 98.7279



45.3496, 52.8004, 102.4091



36.7674, 32.4854, 94.7760



17.2165, 18.5099, 22.0507



16.0684, 17.4924, 50.5030



1.5881, 1.8199, 4.7108

Inverse Universe

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



58.5387, 40.5313, 63.7716



57.2211, 36.0815, 60.0999



72.2026, 79.5393, 32.3179



17.7158, 17.4137, 20.3594



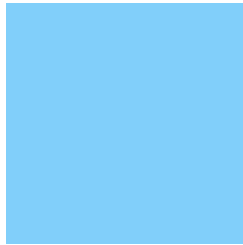
24.4026, 12.1768, 19.3605



2.3105, 1.1480, 2.0587

Previews

White Background



This preview shows how the XYZ color 48.6214, 56.1949, 98.7266 looks on a white background.

Color Contrast Check

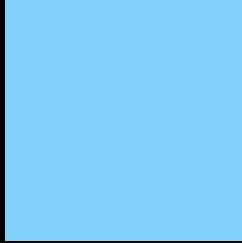
Large Text (above 18pt) WCAG AA × Fail

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 48.6214, 56.1949, 98.7266 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

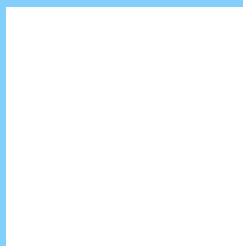
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6214, 56.1949, 98.7266

Background



This preview shows how black text looks on a background with the XYZ color 48.6214, 56.1949, 98.7266.

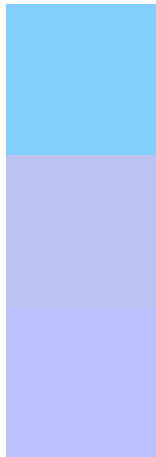


This preview shows how white text looks on a background with the XYZ color 48.6214, 56.1949,

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

48.6214, 56.1949, 98.7266

Protanopia

55.6420, 55.8202, 91.0608

Deuteranopia

57.0493, 55.6709, 100.6672



Tritanopia

45.3239, 56.3275, 81.8823

Trichromacy



Original Color

48.6214, 56.1949, 98.7266

Protanomaly

52.2696, 55.3778, 93.5220

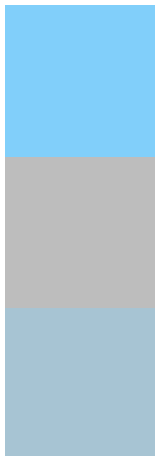
Deuteranomaly

53.2818, 55.4158, 99.9835

Tritanomaly

46.6444, 56.5093, 87.8058

Monochromacy



Original Color

48.6214, 56.1949, 98.7266

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.4341, 52.3985, 69.2419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6214, 56.1949, 98.7266 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(129, 207, 250)` looks like.

```
.text, #text, p{  
    color:rgb(129, 207, 250)  
}
```

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(129, 207, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 207, 250) }
```

Border

The CSS property to change the border of an element to XYZ 48.6214, 56.1949, 98.7266 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(129, 207, 250) }
```


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

```
.border{ border-color:rgb(129, 207, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 207, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 207, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 207, 250);  
box-shadow:4px 4px 4px 4px rgb(129, 207,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6214, 56.1949, 98.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 207, 250) }
```

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

```
.background{ background-color: rgb(129,  
207, 250) }
```

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