

Converting Colors

XYZ(48.9709, 57.5627, 79.9757)

Have a look what the booklet for
XYZ(48.9709, 57.5627, 79.9757)
contains.

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Color

**XYZ(48.9687, 57.5212,
79.7559)**

Conversions

Conversions Part 1

Format	Color
Hex	96D1E1
RGB	150, 209, 225
RGB Percent	59%, 82%, 88%
CMY	0.4118, 0.1804, 0.1176
CMYK	0.33, 0.07, 0.00, 0.12
HSL	193°, 56%, 74%
HSV	193°, 33%, 88%
XYZ	48.9687, 57.5212, 79.7559
YIQ	193.1830, -40.3000, -7.5320

Conversions

Conversions Part 2

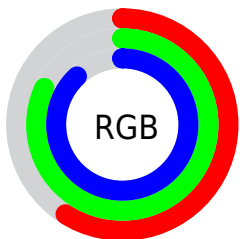
Format	Color
R_{YB}	150, 183, 225
Decimal	9884129
CIE _{Lab}	80.47, -14.99, -13.96
CIE _{LCh}	80, 20.484, 222.947
Yxy	57.5212, 0.2629, 0.3088
Android (android.graphics.Color)	4288074209 (0xFF96D1E1)
YUV	193.1830, 15.6858, -37.8715
Hunter-Lab	75.8427, -17.4743, -9.2592

Details

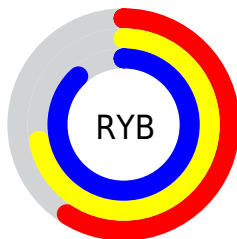
The XYZ color **48.9687, 57.5212, 79.7559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.1933, 45.4825, 34.9890**, and the grayscale version is **50.7252, 53.3668, 58.1165**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **23.8009, 28.8318, 42.3409** is the 20% darker color. If you saturate the color by 10%, you get **44.0598, 53.2701, 79.1951**, and if you desaturate by 10%, it is **54.7115, 62.2576, 80.3684**.

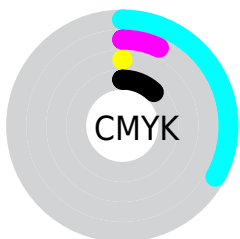
Distribution



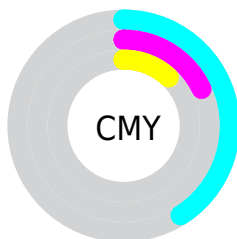
- Red (59%)
- Green (82%)
- Blue (88%)



- Red (59%)
- Yellow (72%)
- Blue (88%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (12%)



- Cyan (41%)
- Magenta (18%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9687, 57.5212, 79.7559 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 48.9687, 57.5212, 79.7559 by changing the saturation by 10% instead.

■ 48.9687, 57.5212,
79.7559

■ 48.9687, 57.5212,
79.7559

373.1381,
415.3994, 513.7949

■ 34.8091, 41.4238,
58.9925

■ 87.8460, 101.2253,
134.8308

■ 23.6817, 28.6504,
42.1871

■ 113.2943,
129.6008, 169.9794

■ 15.2211, 18.8165,
28.9212

143.2363,
162.8378, 210.7601

■ 9.0620, 11.5378,
18.7761

178.0373,
201.3208, 257.5915

■ 4.8391, 6.4298,
11.3335

218.0626,
245.4340, 310.8922

■ 2.1870, 3.1081,
6.1746

263.6776,

■ 0.7358, 1.1884,

295.5619, 371.0806

2.8810

315.2476,
352.0889, 438.5753

■ 0.0000, 0.0522,
1.0342

■ 0.0000, 0.0000,
0.0000

■ 48.9687, 57.5212,
79.7559

■ 48.9687, 57.5212,
79.7559

■ 44.0598, 53.2701,
79.1951

■ 54.7115, 62.2576,
80.3684

■ 39.9336, 49.4733,
78.6797

■ 61.3253, 67.4948,
81.0307

■ 36.5412, 46.1066,
78.2086

■ 68.8512, 73.2557,
81.7460

■ 33.8260, 43.1402,
77.7792

■ 77.3260, 79.5599,
82.5162

■ 31.7223, 40.5399,
77.3881

■ 83.9699, 84.9745,
83.2111

■ 30.1511, 38.2643,
77.0317

■ 85.3471, 87.7290,
83.6702

■ 29.3144, 36.8836,
76.8093

■ 86.7616, 90.5580,
84.1417

■ 88.2136, 93.4620,
84.6257

■ 89.7035, 96.4417,
85.1223

Harmonies

Analogous

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



47.1699, 57.5212, 67.9594



48.9687, 57.5212, 79.7559



52.3368, 57.5212, 87.4596

Triad

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



48.9687, 57.5212, 79.7559



62.7660, 57.5212, 69.6647



52.8819, 57.5212, 42.6780

Complementary

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



48.9687, 57.5212, 79.7559



50.1933, 45.4825, 34.9890

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.



57.0760, 57.5212, 43.0112



48.9687, 57.5212, 79.7559



62.9305, 57.5212, 57.5883

Square

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



48.9687, 57.5212, 79.7559



60.3638, 57.5212, 81.1413



60.8022, 57.5212, 48.1513



49.3501, 57.5212, 47.1741

Rectangle

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



48.9687, 57.5212, 79.7559



55.0886, 57.5212, 88.6983



60.8022, 57.5212, 48.1513



54.2579, 57.5212, 42.2476

Sweetspot

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



48.9704, 57.5235, 79.7572



84.5722, 92.0589, 107.9195



46.2956, 63.0522, 45.3288



17.8083, 19.4779, 23.0710



0.0000, 0.0000, 0.0000



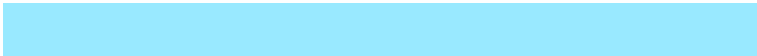
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9704, 57.5235, 79.7572



60.3946, 72.4078, 105.4007



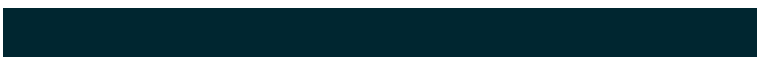
41.0174, 41.6173, 77.1062



13.8555, 15.0501, 17.5624



16.9803, 21.4301, 44.2898



1.2396, 1.6108, 3.0908

Inverse Universe

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



53.4677, 42.4251, 65.6949



67.3740, 49.9396, 83.3612



57.7955, 60.6868, 37.5230



14.1633, 13.8829, 16.6299



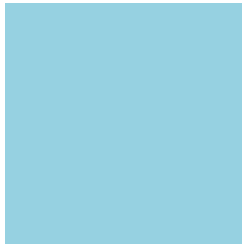
22.5111, 11.0714, 25.1547



1.5920, 0.7801, 1.9102

Previews

White Background



This preview shows how the XYZ color 48.9687, 57.5212, 79.7559 looks on a white background.

Color Contrast Check

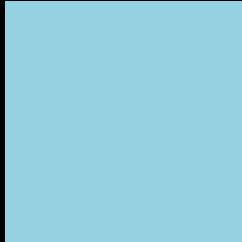
Large Text (above 18pt) WCAG AA × Fail

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 48.9687, 57.5212, 79.7559 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 48.9687, 57.5212, 79.7559

Background



This preview shows how black text looks on a background with the XYZ color 48.9687, 57.5212, 79.7559.



This preview shows how white text looks on a background with the XYZ color 48.9687, 57.5212,

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

48.9687, 57.5212, 79.7559

Protanopia

55.8749, 57.3204, 74.4487

Deuteranopia

58.1972, 57.0224, 81.3379



Tritanopia

49.1056, 57.5759, 80.4766

Trichromacy



Original Color

48.9687, 57.5212, 79.7559

Protanomaly

52.9941, 57.1648, 76.6474

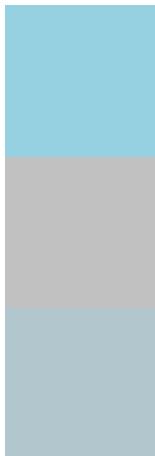
Deuteranomaly

54.0557, 56.5832, 80.7457

Tritanomaly

49.1056, 57.5759, 80.4766

Monochromacy



Original Color

48.9687, 57.5212, 79.7559

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.5743, 54.6017, 65.6840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9687, 57.5212, 79.7559 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(150, 209, 225)` looks like.

```
.text, #text, p{  
    color:rgb(150, 209, 225)  
}
```

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(150, 209, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 209, 225) }
```

Border

The CSS property to change the border of an element to XYZ 48.9687, 57.5212, 79.7559 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(150, 209, 225) }
```


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

```
.border{ border-color:rgb(150, 209, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 209, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 209, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 209, 225); box-shadow:4px 4px 4px 4px rgb(150, 209, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9687, 57.5212, 79.7559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 209, 225) }
```

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

```
.background{ background-color: rgb(150,  
209, 225) }
```

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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