

Converting Colors

XYZ(48.9087, 63.1519, 64.2437)

Have a look what the booklet for
XYZ(48.9087, 63.1519, 64.2437)
contains.

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Color

**XYZ(48.8456, 63.1485,
64.2580)**

Conversions

Conversions Part 1

Format	Color
Hex	93DFC8
RGB	147, 223, 200
RGB Percent	58%, 87%, 78%
CMY	0.4235, 0.1255, 0.2157
CMYK	0.34, 0.00, 0.10, 0.13
HSL	162°, 54%, 73%
HSV	162°, 34%, 87%
XYZ	48.8456, 63.1485, 64.2580
YIQ	197.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

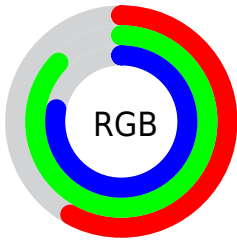
Format	Color
RYB	147, 192, 223
Decimal	9691080
CIELab	83.52, -28.47, 3.83
CIELCh	84, 28.727, 172.342
Yxy	63.1485, 0.2771, 0.3583
Android (android.graphics.Color)	4287881160 (0xFF93DFC8)
YUV	197.6540, 1.1566, -44.4236
Hunter-Lab	79.4660, -29.3465, 7.6830

Details

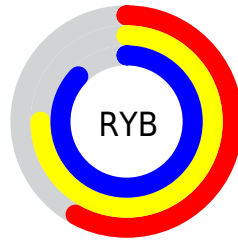
The XYZ color **48.8456, 63.1485, 64.2580** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.1230, 39.4593, 43.1127**, and the grayscale version is **53.4776, 56.2626, 61.2700**.

A 20% lighter version of the original color is **78.4386, 91.4365, 108.1226**, and **23.5212, 32.0399, 32.1388** is the 20% darker color. If you saturate the color by 10%, you get **44.4566, 60.9767, 60.0263**, and if you desaturate by 10%, it is **54.0481, 65.7390, 68.7123**.

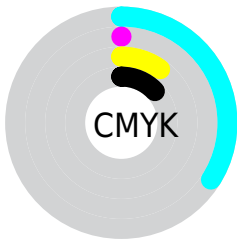
Distribution



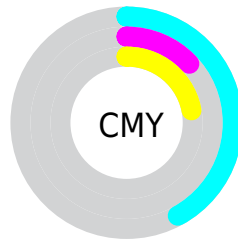
- Red (58%)
- Green (87%)
- Blue (78%)



- Red (58%)
- Yellow (75%)
- Blue (87%)



- Cyan (34%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (42%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8456, 63.1485, 64.2580 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 48.8456, 63.1485, 64.2580 by changing the saturation by 10% instead.

 48.8456, 63.1485,
64.2580


 48.8456, 63.1485,
64.2580


372.6612,
436.1082, 458.3537

 34.7110, 45.9614,
46.4122


 87.6642, 109.3837,
112.5855

 23.6058, 32.2153,
32.2202


 113.0789,
139.2006, 143.9041

 15.1646, 21.5260,
21.2635


142.9845,
173.9962, 180.5509

 9.0221, 13.5090,
13.1236

177.7461,
214.1548, 222.9441

 4.8128, 7.7800,
7.3820

217.7293,
260.0609, 271.5025

 2.1715, 3.9545,
3.6201

263.2993,

 0.7276, 1.6481,

312.0990, 326.6446

1.4193

314.8215,
370.6533, 388.7888

■ 0.0000, 0.3897,
0.1567

■ 0.0000, 0.0000,
0.0000

■ 48.8456, 63.1485,
64.2580

■ 48.8456, 63.1485,
64.2580

■ 44.4566, 60.9767,
60.0263

■ 54.0481, 65.7390,
68.7123

■ 40.8304, 59.1925,
56.0085

■ 60.1006, 68.7619,
73.3891

■ 37.9187, 57.7727,
52.2012

■ 67.0436, 72.2398,
78.2939

■ 35.6654, 56.6885,
48.5994

■ 74.9137, 76.1914,
83.4305

■ 34.0054, 55.9063,
45.1977

■ 82.4440, 79.9637,
88.7420

■ 32.8597, 55.3855,
41.9898

■ 83.4311, 80.3585,
93.9400

■ 32.3481, 55.1613,
40.1777

■ 84.4555, 80.7683,
99.3346

■ 85.5177, 81.1931,
104.9279

■ 85.6788, 81.2576,
105.7763

Harmonies

Analogous

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



50.9717, 63.1485, 49.7440



48.8456, 63.1485, 64.2580



49.5442, 63.1485, 82.7389

Triad

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



48.8456, 63.1485, 64.2580



64.7223, 63.1485, 105.9011



67.6932, 63.1485, 44.8818

Complementary

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



48.8456, 63.1485, 64.2580



48.1230, 39.4593, 43.1127

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.



71.8789, 63.1485, 56.4480



48.8456, 63.1485, 64.2580



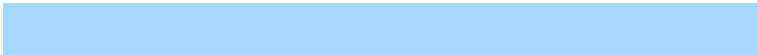
70.0821, 63.1485, 92.0880

Square

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



48.8456, 63.1485, 64.2580



58.4282, 63.1485, 108.9772



72.7823, 63.1485, 73.4633



61.6420, 63.1485, 39.8967

Rectangle

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



48.8456, 63.1485, 64.2580



51.5419, 63.1485, 94.7403



72.7823, 63.1485, 73.4633



69.3819, 63.1485, 48.0217

Sweetspot

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



48.8474, 63.1511, 64.2594



85.0650, 94.9932, 102.0763



48.4652, 63.5500, 37.3168



17.9287, 20.1929, 21.6487



0.0000, 0.0000, 0.0000



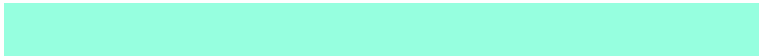
20.3446, 21.4041, 23.3091

Same Dimension

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



48.8474, 63.1511, 64.2594



61.7881, 83.3938, 82.9048



48.1707, 57.1668, 78.3104



13.9306, 15.4980, 16.6700



19.0718, 32.4536, 23.8987



1.3611, 2.2652, 1.8627

Inverse Universe

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



48.1230, 39.4593, 43.1127



60.6714, 46.5978, 50.1029



48.4331, 43.2627, 33.4026



13.8771, 13.7685, 15.1232



18.5416, 9.4837, 4.2520



1.3241, 0.6729, 0.4996

Previews

White Background



This preview shows how the XYZ color 48.8456, 63.1485, 64.2580 looks on a white background.

Color Contrast Check

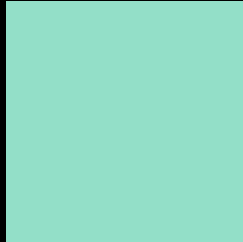
Large Text (above 18pt) WCAG AA × Fail

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 48.8456, 63.1485, 64.2580 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 48.8456, 63.1485, 64.2580

Background



This preview shows how black text looks on a background with the XYZ color 48.8456, 63.1485, 64.2580.

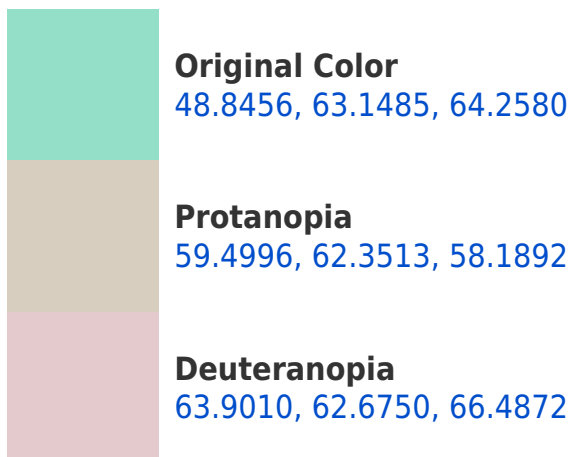


This preview shows how white text looks on a background with the XYZ color 48.8456, 63.1485,

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





Tritanopia

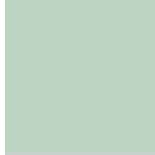
53.5844, 63.1095, 87.9544

Trichromacy



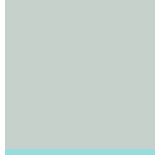
Original Color

48.8456, 63.1485, 64.2580



Protanomaly

54.5163, 61.9292, 60.1191



Deuteranomaly

57.1331, 62.0548, 65.4665



Tritanomaly

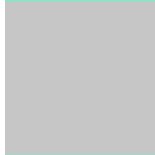
51.7269, 63.1357, 78.5674

Monochromacy



Original Color

48.8456, 63.1485, 64.2580



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.2120, 58.3329, 62.5930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8456, 63.1485, 64.2580 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(147, 223, 200)` looks like.

```
.text, #text, p{  
    color:rgb(147, 223, 200)  
}
```

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(147, 223, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 223, 200) }
```

Border

The CSS property to change the border of an element to XYZ 48.8456, 63.1485, 64.2580 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(147, 223, 200) }
```


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

```
.border{ border-color:rgb(147, 223, 200) }
```

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

Here you see how a box with a 4 pixel rgb(147, 223, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 223, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 223, 200);  
box-shadow:4px 4px 4px 4px rgb(147, 223,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8456, 63.1485, 64.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 223, 200) }
```

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

```
.background{ background-color: rgb(147,  
223, 200) }
```

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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