

Converting Colors

XYZ(48.0698, 63.6908, 58.4584)

Have a look what the booklet for
XYZ(48.0698, 63.6908, 58.4584)
contains.

XYZ(48.0735, 63.6791, 58.4728)	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(48.0735, 63.6791,
58.4728)**

Conversions

Conversions Part 1

Format	Color
Hex	92E1BE
RGB	146, 225, 190
RGB Percent	57%, 88%, 75%
CMY	0.4274, 0.1176, 0.2549
CMYK	0.35, 0.00, 0.16, 0.12
HSL	153°, 57%, 73%
HSV	153°, 35%, 88%
XYZ	48.0735, 63.6791, 58.4728
YIQ	197.3890, -35.8490, -27.6330

Conversions

Conversions Part 2

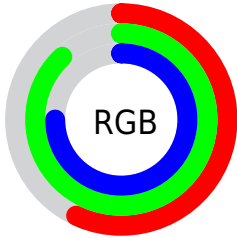
Format	Color
RYB	146, 197, 225
Decimal	9626046
CIELab	83.80, -31.79, 9.50
CIElCh	84, 33.180, 163.361
Yxy	63.6791, 0.2824, 0.3741
Android (android.graphics.Color)	4287816126 (0xFF92E1BE)
YUV	197.3890, -3.6428, -45.0682
Hunter-Lab	79.7992, -32.1146, 12.4147

Details

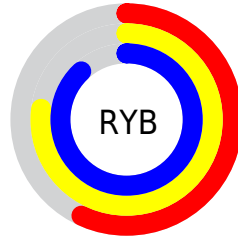
The XYZ color **48.0735, 63.6791, 58.4728** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.6728, 39.9030, 48.8024**, and the grayscale version is **53.3443, 56.1223, 61.1172**.

A 20% lighter version of the original color is **76.7517, 90.7304, 100.6562**, and **23.1170, 32.4574, 28.7134** is the 20% darker color. If you saturate the color by 10%, you get **43.4083, 61.3974, 52.7606**, and if you desaturate by 10%, it is **53.6039, 66.4016, 64.6173**.

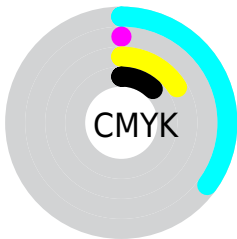
Distribution



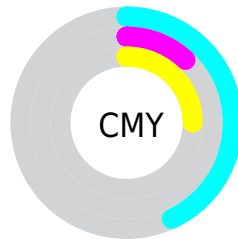
- Red (57%)
- Green (88%)
- Blue (75%)



- Red (57%)
- Yellow (77%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (16%)
- Black (12%)





- Cyan (43%)
- Magenta (12%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0735, 63.6791, 58.4728 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 48.0735, 63.6791, 58.4728 by changing the saturation by 10% instead.


 48.0735, 63.6791,
58.4728


 48.0735, 63.6791,
58.4728


369.6611,
438.0299, 436.5927

 34.0966, 46.3908,
41.7717


 86.5229, 110.1487,
104.1326

 23.1311, 32.5543,
28.5983


 111.7260,
140.0987, 133.9284

 14.8115, 21.7853,
18.5342


141.4020,
175.0382, 168.9261

 8.7727, 13.6992,
11.1608

175.9161,
215.3514, 209.5443

 4.6491, 7.9117,
6.0596

215.6337,
261.4228, 256.2015

 2.0755, 4.0385,
2.8120

260.9202,

 0.6759, 1.6951,

313.6367, 309.3163

0.9994

312.1409,
372.3776, 369.3072

0.0000, 0.4205,
0.0000

0.0000, 0.0000,
0.0000

48.0735, 63.6791,
58.4728

48.0735, 63.6791,
58.4728

43.4083, 61.3974,
52.7606

53.6039, 66.4016,
64.6173

39.5551, 59.5242,
47.4665

60.0383, 69.5796,
71.1993

36.4629, 58.0351,
42.5814

67.4193, 73.2367,
78.2295

34.0725, 56.8996,
38.0944

75.7854, 77.3925,
85.7168

■ 32.3149, 56.0825,
33.9936

■ 83.8718, 81.3949,
93.6089

■ 31.1063, 55.5407,
30.2664

■ 85.3928, 82.0033,
101.6184

■ 30.6482, 55.3415,
28.5743

■ 86.2164, 82.3327,
105.9555

Harmonies

Analogous

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



51.4095, 63.6791, 44.0711



48.0735, 63.6791, 58.4728



47.8958, 63.6791, 79.0234

Triad

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



48.0735, 63.6791, 58.4728



63.8194, 63.6791, 116.1395



71.2893, 63.6791, 45.2818

Complementary

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



48.0735, 63.6791, 58.4728



49.6728, 39.9030, 48.8024

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.



75.1995, 63.6791, 60.4740



48.0735, 63.6791, 58.4728



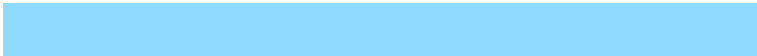
70.6592, 63.6791, 102.7771

Square

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



48.0735, 63.6791, 58.4728



56.6026, 63.6791, 115.3038



74.9600, 63.6791, 81.4670



64.6247, 63.6791, 37.5682

Rectangle

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



48.0735, 63.6791, 58.4728



49.5649, 63.6791, 93.8141



74.9600, 63.6791, 81.4670



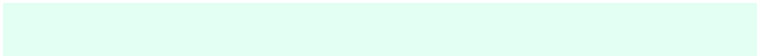
72.9924, 63.6791, 49.5351

Sweetspot

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



48.0753, 63.6817, 58.4742



83.5359, 94.2880, 98.2524



51.3008, 65.8189, 37.1954



17.5999, 20.0427, 20.7601



0.0000, 0.0000, 0.0000



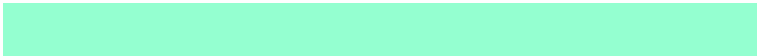
20.3446, 21.4041, 23.3091

Same Dimension

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



48.0753, 63.6817, 58.4742



59.2844, 82.3385, 72.1521



51.3164, 63.2892, 80.7486



13.8468, 15.4644, 16.2283



17.7199, 31.9128, 16.7797



1.2731, 2.2300, 1.3993

Inverse Universe

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



49.6728, 39.9030, 48.8024



61.7043, 46.3645, 57.5353



47.1398, 39.8810, 32.4082



13.9583, 13.8009, 15.5505



19.2667, 9.7737, 8.0704



1.3800, 0.6953, 0.7938

Previews

White Background



This preview shows how the XYZ color 48.0735, 63.6791, 58.4728 looks on a white background.

Color Contrast Check

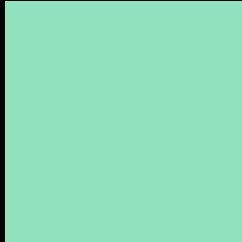
Large Text (above 18pt) WCAG AA × Fail

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 48.0735, 63.6791, 58.4728 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 48.0735, 63.6791, 58.4728

Background



This preview shows how black text looks on a background with the XYZ color 48.0735, 63.6791, 58.4728.



This preview shows how white text looks on a background with the XYZ color 48.0735, 63.6791,

58.4728.

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

48.0735, 63.6791, 58.4728

Protanopia

59.5668, 62.8673, 52.7112

Deuteranopia

64.3412, 63.0371, 60.4060



Tritanopia

54.1821, 63.7871, 88.8133

Trichromacy



Original Color

48.0735, 63.6791, 58.4728



Protanomaly

54.4365, 62.7603, 54.5922



Deuteranomaly

56.7596, 62.3609, 59.4974



Tritanomaly

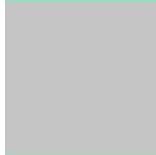
51.5915, 63.5028, 76.5559

Monochromacy



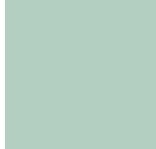
Original Color

48.0735, 63.6791, 58.4728



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

50.4105, 57.9857, 59.5744

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0735, 63.6791, 58.4728 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(146, 225, 190)` looks like.

```
.text, #text, p{  
    color:rgb(146, 225, 190)  
}
```

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(146, 225, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 225, 190) }
```

Border

The CSS property to change the border of an element to XYZ 48.0735, 63.6791, 58.4728 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(146, 225, 190) }
```


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

```
.border{ border-color:rgb(146, 225, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 225, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 225, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 225, 190);  
box-shadow:4px 4px 4px 4px rgb(146, 225,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0735, 63.6791, 58.4728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 225, 190) }
```

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

```
.background{ background-color: rgb(146,  
225, 190) }
```

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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