

Converting Colors

XYZ(48.0102, 58.4711, 65.9618)

Have a look what the booklet for
XYZ(48.0102, 58.4711, 65.9618)
contains.

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Color

**XYZ(47.9601, 58.4152,
65.8742)**

Conversions

Conversions Part 1

Format	Color
Hex	9BD4CC
RGB	155, 212, 204
RGB Percent	61%, 83%, 80%
CMY	0.3921, 0.1686, 0.2000
CMYK	0.27, 0.00, 0.04, 0.17
HSL	172°, 40%, 72%
HSV	172°, 27%, 83%
XYZ	47.9601, 58.4152, 65.8742
YIQ	194.0450, -31.4040, -14.5720

Conversions

Conversions Part 2

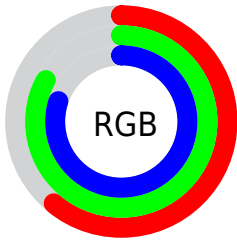
Format	Color
RYB	155, 186, 212
Decimal	10212556
CIELab	80.97, -19.91, -1.97
CIELCh	81, 20.005, 185.639
Yxy	58.4152, 0.2784, 0.3391
Android (android.graphics.Color)	4288402636 (0xFF9BD4CC)
YUV	194.0450, 4.9078, -34.2425
Hunter-Lab	76.4298, -21.7426, 2.3994

Details

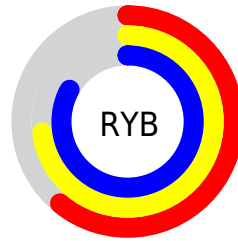
The XYZ color **47.9601, 58.4152, 65.8742** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.4856, 40.0856, 39.9926**, and the grayscale version is **51.2913, 53.9625, 58.7651**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **23.0415, 29.1407, 33.2645** is the 20% darker color. If you saturate the color by 10%, you get **43.8900, 56.3594, 63.8390**, and if you desaturate by 10%, it is **52.7547, 60.8467, 67.9814**.

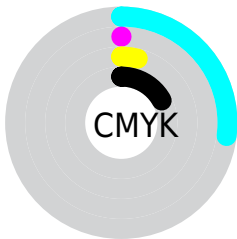
Distribution



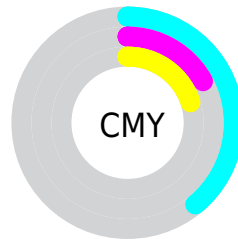
- Red (61%)
- Green (83%)
- Blue (80%)



- Red (61%)
- Yellow (73%)
- Blue (83%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (17%)





- Cyan (39%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9601, 58.4152, 65.8742 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 47.9601, 58.4152, 65.8742 by changing the saturation by 10% instead.


 47.9601, 58.4152,
65.8742


 47.9601, 58.4152,
65.8742


369.2192,
418.7313, 464.3188

 34.0064, 42.1425,
47.7145


 86.3550, 102.5272,
114.9310

 23.0614, 29.2129,
33.2424


 111.5270,
131.1354, 146.6652

 14.7598, 19.2419,
22.0396


141.1691,
164.6242, 183.7613

 8.7362, 11.8452,
13.6874

175.6467,
203.3780, 226.6377

 4.6253, 6.6384,
7.7673

215.3252,
247.7812, 275.7132

 2.0616, 3.2370,
3.8608

260.5698,

 0.6682, 1.2567,

298.2182, 331.4062

1.5493

311.7460,
355.0735, 394.1352

■ 0.0000, 0.1073,
0.2542

■ 0.0000, 0.0000,
0.0000

■ 47.9601, 58.4152,
65.8742

■ 47.9601, 58.4152,
65.8742

■ 43.8900, 56.3594,
63.8390

■ 52.7547, 60.8467,
67.9814

■ 40.5021, 54.6529,
61.8699

■ 58.3033, 63.6648,
70.1585

■ 37.7570, 53.2771,
59.9661

■ 64.6402, 66.8883,
72.4085

■ 35.6099, 52.2087,
58.1253

■ 71.7958, 70.5331,
74.7331

■ 34.0094, 51.4214,
56.3449

■ 77.5554, 73.4574,
77.0286

■ 32.8961, 50.8844,
54.6219

■ 77.9506, 73.6155,
79.1097

■ 32.1917, 50.5575,
52.9525

■ 78.3529, 73.7764,
81.2279

■ 32.0129, 50.4764,
52.4418

■ 78.7622, 73.9402,
83.3833

■ 79.1786, 74.1067,
85.5763

Harmonies

Analogous

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



48.5715, 58.4152, 54.6436



47.9601, 58.4152, 65.8742



49.2916, 58.4152, 77.8570

Triad

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



47.9601, 58.4152, 65.8742



60.2979, 58.4152, 84.0228



58.8757, 58.4152, 44.9899

Complementary

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



47.9601, 58.4152, 65.8742



45.4856, 40.0856, 39.9926

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.



62.2563, 58.4152, 51.2065



47.9601, 58.4152, 65.8742



63.1056, 58.4152, 73.4945

Square

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



47.9601, 58.4152, 65.8742



56.3089, 58.4152, 89.1387



63.8395, 58.4152, 61.3870



54.7422, 58.4152, 43.4810

Rectangle

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



47.9601, 58.4152, 65.8742



51.1428, 58.4152, 84.3750



63.8395, 58.4152, 61.3870



60.1441, 58.4152, 46.5569

Sweetspot

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



47.9618, 58.4176, 65.8755



87.4813, 96.1511, 106.1567



44.6787, 57.3007, 39.7166



18.4387, 20.4350, 22.6132



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.



47.9618, 58.4176, 65.8755



69.3421, 86.9539, 98.3543



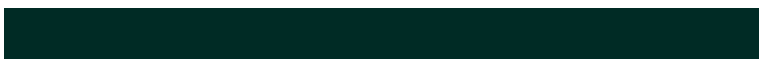
44.2636, 49.4452, 69.5011



12.7137, 14.0765, 15.5728



19.7903, 31.1715, 32.5213



1.2147, 1.8885, 2.0726

Inverse Universe

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



45.4856, 40.0856, 39.9926



65.0022, 54.7975, 52.9704



48.3900, 47.0059, 37.5339



12.4936, 12.4489, 13.2734



16.9267, 8.7070, 1.6519



1.0443, 0.5345, 0.2229

Previews

White Background



This preview shows how the XYZ color 47.9601, 58.4152, 65.8742 looks on a white background.

Color Contrast Check

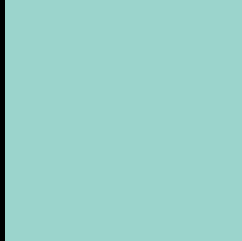
Large Text (above 18pt) WCAG AA × Fail

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 47.9601, 58.4152, 65.8742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

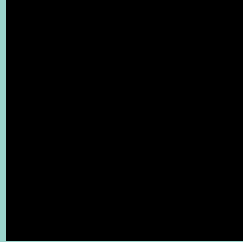
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9601, 58.4152, 65.8742

Background



This preview shows how black text looks on a background with the XYZ color 47.9601, 58.4152, 65.8742.



This preview shows how white text looks on a background with the XYZ color 47.9601, 58.4152,

65.8742.

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

47.9601, 58.4152, 65.8742

Protanopia

55.6783, 57.8572, 61.0563

Deuteranopia

58.9959, 57.7366, 67.7094



Tritanopia

50.8883, 58.5108, 79.8458

Trichromacy



Original Color

47.9601, 58.4152, 65.8742

Protanomaly

52.5117, 57.9207, 63.0557

Deuteranomaly

54.3973, 57.7476, 67.3108

Tritanomaly

49.6715, 58.3720, 74.2946

Monochromacy



Original Color

47.9601, 58.4152, 65.8742

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.9021, 55.5538, 61.5189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9601, 58.4152, 65.8742 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(155, 212, 204)` looks like.

```
.text, #text, p{  
    color:rgb(155, 212, 204)  
}
```

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(155, 212, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 212, 204) }
```

Border

The CSS property to change the border of an element to XYZ 47.9601, 58.4152, 65.8742 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(155, 212, 204) }
```


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

```
.border{ border-color:rgb(155, 212, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 212, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 212, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 212, 204);  
box-shadow:4px 4px 4px 4px rgb(155, 212,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9601, 58.4152, 65.8742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 212, 204) }
```

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

```
.background{ background-color: rgb(155,  
212, 204) }
```

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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