

Converting Colors

XYZ(47.5109, 59.0116, 65.7405)

Have a look what the booklet for
XYZ(47.5109, 59.0116, 65.7405)
contains.

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Color

**XYZ(47.5233, 58.9368,
65.9979)**

Conversions

Conversions Part 1

Format	Color
Hex	96D6CC
RGB	150, 214, 204
RGB Percent	59%, 84%, 80%
CMY	0.4118, 0.1608, 0.2000
CMYK	0.30, 0.00, 0.05, 0.16
HSL	171°, 44%, 71%
HSV	171°, 30%, 84%
XYZ	47.5233, 58.9368, 65.9979
YIQ	193.7240, -34.9340, -16.6780

Conversions

Conversions Part 2

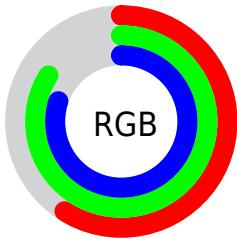
Format	Color
RYB	150, 185, 214
Decimal	9885388
CIELab	81.26, -22.36, -1.58
CIELCh	81, 22.416, 184.030
Yxy	58.9368, 0.2756, 0.3417
Android (android.graphics.Color)	4288075468 (0xFF96D6CC)
YUV	193.7240, 5.0661, -38.3459
Hunter-Lab	76.7703, -23.8508, 2.7688

Details

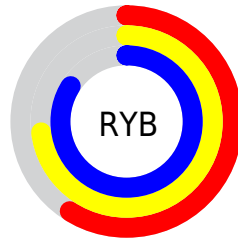
The XYZ color **47.5233, 58.9368, 65.9979** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.9851, 38.6485, 38.3489**, and the grayscale version is **51.1022, 53.7635, 58.5484**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **22.8329, 29.5397, 33.3525** is the 20% darker color. If you saturate the color by 10%, you get **43.5428, 56.9322, 63.7410**, and if you desaturate by 10%, it is **52.2349, 61.3204, 68.3365**.

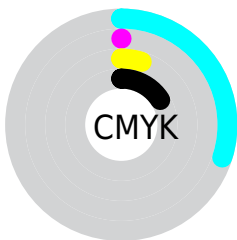
Distribution



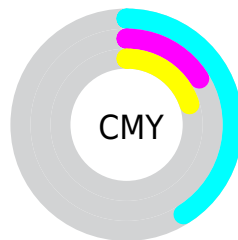
- Red (59%)
- Green (84%)
- Blue (80%)



- Red (59%)
- Yellow (73%)
- Blue (84%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)





- Cyan (41%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5233, 58.9368, 65.9979 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 47.5233, 58.9368, 65.9979 by changing the saturation by 10% instead.

 47.5233, 58.9368,
65.9979


 47.5233, 58.9368,
65.9979


367.5136,
420.6677, 464.7734

 33.6592, 42.5622,
47.8142


 85.7082, 103.2858,
115.1103

 22.7936, 29.5418,
33.3208


 110.7598,
132.0290, 146.8761

 14.5610, 19.4911,
22.0992


140.2712,
165.6640, 184.0063

 8.5962, 12.0256,
13.7308

174.6078,
204.5750, 226.9196

 4.5337, 6.7611,
7.7971

214.1350,
249.1464, 276.0344

 2.0083, 3.3132,
3.8795

259.2181,

 0.6386, 1.2973,

299.7628, 331.7693

1.5595

310.2225,
356.8084, 394.5427

■ 0.0000, 0.1391,
0.2616

■ 0.0000, 0.0000,
0.0000

■ 47.5233, 58.9368,
65.9979

■ 47.5233, 58.9368,
65.9979

■ 43.5428, 56.9322,
63.7410

■ 52.2349, 61.3204,
68.3365

■ 40.2492, 55.2791,
61.5597


■ 57.7089, 64.0945,
70.7548


■ 37.6011, 53.9578,
59.4530


■ 63.9808, 67.2789,
73.2559


■ 35.5507, 52.9437,
57.4184

■ 71.0822, 70.8899,
75.8417

 34.0434, 52.2086,
55.4531


 78.3021, 74.5610,
78.4791


 33.0145, 51.7192,
53.5538


 78.7515, 74.7408,
80.8459

 32.3485, 51.4159,
51.7147

 79.2099, 74.9242,
83.2598

 32.3428, 51.4133,
51.6978

 79.6773, 75.1111,
85.7209

 80.1537, 75.3017,
88.2296

Harmonies

Analogous

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



48.3210, 58.9368, 53.5493



47.5233, 58.9368, 65.9979



48.8955, 58.9368, 79.6790

Triad

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



47.5233, 58.9368, 65.9979



61.1986, 58.9368, 87.9508



60.0456, 58.9368, 43.7043

Complementary

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



47.5233, 58.9368, 65.9979



44.9851, 38.6485, 38.3489

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.



63.7998, 58.9368, 50.8203



47.5233, 58.9368, 65.9979



64.4911, 58.9368, 76.1145

Square

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



47.5233, 58.9368, 65.9979



56.6516, 58.9368, 93.4200



65.4683, 58.9368, 62.3804



55.3885, 58.9368, 41.7712

Rectangle

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



47.5233, 58.9368, 65.9979



50.9035, 58.9368, 87.3356



65.4683, 58.9368, 62.3804



61.4633, 58.9368, 45.5157

Sweetspot

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



47.5250, 58.9392, 65.9992



86.5328, 95.6753, 105.5151



44.1842, 57.8401, 37.6907



18.2468, 20.3391, 22.4695



0.0000, 0.0000, 0.0000



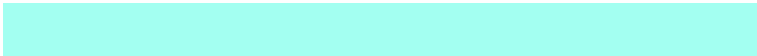
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5250, 58.9392, 65.9992



66.7306, 85.6578, 95.9640



43.7134, 49.3338, 70.8395



12.7049, 14.0730, 15.5265



19.5800, 31.0873, 31.4135



1.2039, 1.8842, 2.0157

Inverse Universe

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



44.9851, 38.6485, 38.3489



62.3632, 50.7217, 48.3848



47.8645, 45.7519, 35.1634



12.5016, 12.4521, 13.3157



16.9563, 8.7188, 1.8081



1.0481, 0.5360, 0.2428

Previews

White Background



This preview shows how the XYZ color 47.5233, 58.9368, 65.9979 looks on a white background.

Color Contrast Check

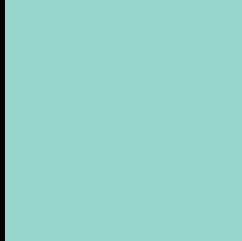
Large Text (above 18pt) WCAG AA × Fail

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 47.5233, 58.9368, 65.9979 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

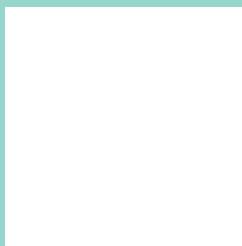
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5233, 58.9368, 65.9979

Background



This preview shows how black text looks on a background with the XYZ color 47.5233, 58.9368, 65.9979.



This preview shows how white text looks on a background with the XYZ color 47.5233, 58.9368,

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

47.5233, 58.9368, 65.9979

Protanopia

56.0717, 58.4159, 60.5447

Deuteranopia

59.5155, 58.3360, 67.7977



Tritanopia

50.4293, 58.6078, 81.3276

Trichromacy



Original Color

47.5233, 58.9368, 65.9979

Protanomaly

52.3898, 58.2253, 62.5102

Deuteranomaly

54.3753, 58.0835, 67.3768

Tritanomaly

49.2173, 58.4753, 75.7107

Monochromacy



Original Color

47.5233, 58.9368, 65.9979

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.4398, 55.3155, 61.4973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5233, 58.9368, 65.9979 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, 214, 204)` looks like.

```
.text, #text, p{  
    color:rgb(150, 214, 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(150, 214, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 214, 204) }
```

Border

The CSS property to change the border of an element to XYZ 47.5233, 58.9368, 65.9979 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, 214, 204) }
```


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

```
.border{ border-color:rgb(150, 214, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 214, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 214, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 214, 204);  
box-shadow:4px 4px 4px 4px rgb(150, 214,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5233, 58.9368, 65.9979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 214, 204) }
```

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

```
.background{ background-color: rgb(150,  
214, 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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