

Converting Colors

XYZ(37.0991, 48.6589, 63.5766)

Have a look what the booklet for
XYZ(37.0991, 48.6589, 63.5766)
contains.

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Color

**XYZ(37.0239, 48.5159,
63.2903)**

Conversions

Conversions Part 1

Format	Color
Hex	68C8CA
RGB	104, 200, 202
RGB Percent	41%, 78%, 79%
CMY	0.5921, 0.2157, 0.2078
CMYK	0.49, 0.01, 0.00, 0.21
HSL	181°, 48%, 60%
HSV	181°, 49%, 79%
XYZ	37.0239, 48.5159, 63.2903
YIQ	171.5240, -57.8580, -19.7300

Conversions

Conversions Part 2

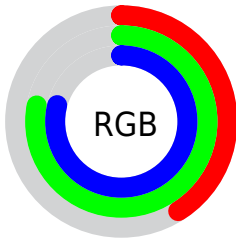
Format	Color
RYB	104, 152, 202
Decimal	6867146
CIELab	75.15, -27.72, -9.76
CIELCh	75, 29.391, 199.393
Yxy	48.5159, 0.2488, 0.3260
Android (android.graphics.Color)	4285057226 (0xFF68C8CA)
YUV	171.5240, 15.0247, -59.2185
Hunter-Lab	69.6534, -27.0126, -5.1163

Details

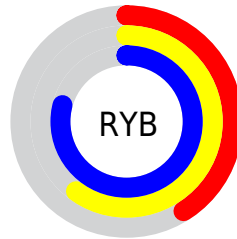
The XYZ color **37.0239, 48.5159, 63.2903** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0108, 23.8650, 16.0172**, and the grayscale version is **38.9212, 40.9481, 44.5925**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **16.5386, 23.1673, 31.6170** is the 20% darker color. If you saturate the color by 10%, you get **34.8593, 47.2597, 63.1628**, and if you desaturate by 10%, it is **39.7532, 50.0658, 63.4465**.

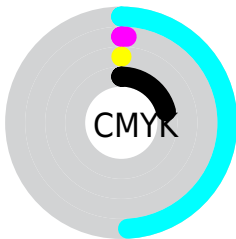
Distribution



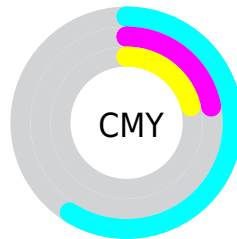
- Red (41%)
- Green (78%)
- Blue (79%)



- Red (41%)
- Yellow (60%)
- Blue (79%)



- Cyan (49%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)



- Cyan (59%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0239, 48.5159, 63.2903 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 37.0239, 48.5159, 63.2903 by changing the saturation by 10% instead.

■ 37.0239, 48.5159,
63.2903

■ 37.0239, 48.5159,
63.2903

324.7677,
380.8334, 454.7592

■ 25.3998, 34.2356,
45.6336

■ 69.9231, 87.9720,
111.1778

■ 16.5055, 23.0747,
31.6102

■ 91.9289, 113.9167,
142.2457

■ 9.9756, 14.6486,
20.8016

■ 118.1260,
144.5182, 178.6211

■ 5.4449, 8.5732,
12.7892

■ 148.8797,
180.1611, 220.7225

■ 2.5480, 4.4638,
7.1545

184.5553,
221.2296, 268.9685

■ 0.9195, 1.9363,
3.4790

225.5183,

■ 0.0000, 0.5700,

268.1083, 323.7776

1.3441

272.1340,
321.1814, 385.5683

■ 0.0000, 0.0000,
0.0976

■ 0.0000, 0.0000,
0.0000

■ 37.0239, 48.5159,
63.2903

■ 37.0239, 48.5159,
63.2903

■ 34.8593, 47.2597,
63.1628

■ 39.7532, 50.0658,
63.4465

■ 33.2143, 46.2707,
63.0586


■ 43.0797, 51.9229,
63.6296


■ 32.0442, 45.5268,
62.9767


■ 47.0383, 54.1062,
63.8424

■ 31.2944, 45.0000,
62.9145

■ 51.6602, 56.6318,
64.0863

 30.8797, 44.6463,
62.8681


 56.9744, 59.5147,
64.3626

 30.8281, 44.5989,
62.8617

 63.0083, 62.7690,
64.6728

 69.7878, 66.4081,
65.0178

 73.3273, 68.3772,
65.2114

 73.4249, 68.5724,
65.2439

Harmonies

Analogous

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



36.6706, 48.5159, 47.5555



37.0239, 48.5159, 63.2903



39.6998, 48.5159, 78.6723

Triad

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



37.0239, 48.5159, 63.2903



54.4242, 48.5159, 74.5596



48.0442, 48.5159, 28.7209

Complementary

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



37.0239, 48.5159, 63.2903



32.0108, 23.8650, 16.0172

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.



53.1819, 48.5159, 33.3683



37.0239, 48.5159, 63.2903



57.0511, 48.5159, 58.4713

Square

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



37.0239, 48.5159, 63.2903



49.6352, 48.5159, 86.0039



56.5795, 48.5159, 43.5830



42.7614, 48.5159, 29.5108

Rectangle

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



37.0239, 48.5159, 63.2903



42.5656, 48.5159, 85.7068



56.5795, 48.5159, 43.5830



49.8520, 48.5159, 29.6568

Sweetspot

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



37.0254, 48.5178, 63.2914



82.1027, 92.9568, 108.2229



29.4131, 46.2182, 20.9079



17.2299, 19.7085, 23.1460



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.



37.0254, 48.5178, 63.2914



58.9309, 79.9630, 106.9362



27.4965, 29.4601, 60.1152



11.5229, 12.6862, 14.4117



19.8457, 28.7154, 40.4529



1.0302, 1.4941, 2.0890

Inverse Universe

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



39.7340, 26.6286, 57.6913



64.0763, 38.8235, 96.1990



38.5173, 36.8781, 18.1860



11.6773, 11.3997, 14.1013



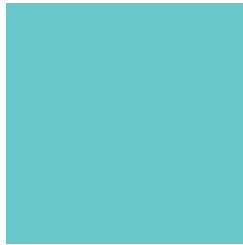
22.2281, 10.7018, 35.2494



1.1499, 0.5534, 1.8354

Previews

White Background



This preview shows how the XYZ color 37.0239, 48.5159, 63.2903 looks on a white background.

Color Contrast Check

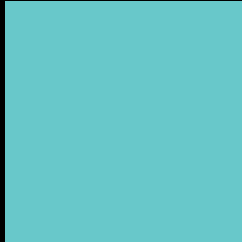
Large Text (above 18pt) WCAG AA × Fail

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 37.0239, 48.5159, 63.2903 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

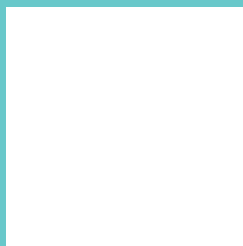
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.0239, 48.5159, 63.2903

Background



This preview shows how black text looks on a background with the XYZ color 37.0239, 48.5159, 63.2903.



This preview shows how white text looks on a background with the XYZ color 37.0239, 48.5159,

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

37.0239, 48.5159, 63.2903

Protanopia

46.4555, 47.9870, 56.6831

Deuteranopia

48.7465, 47.7728, 65.0444



Tritanopia

38.5160, 48.4314, 70.9365

Trichromacy



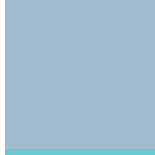
Original Color

37.0239, 48.5159, 63.2903



Protanomaly

41.8717, 47.4486, 59.1762



Deuteranomaly

43.0878, 47.3194, 64.6202



Tritanomaly

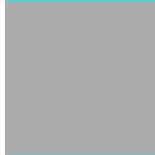
38.1197, 48.6258, 68.3494

Monochromacy



Original Color

37.0239, 48.5159, 63.2903



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.3078, 43.0778, 51.1483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0239, 48.5159, 63.2903 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(104, 200, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 200, 202)  
}
```

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(104, 200, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 200, 202) }
```

Border

The CSS property to change the border of an element to XYZ 37.0239, 48.5159, 63.2903 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(104, 200, 202) }
```


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

```
.border{ border-color:rgb(104, 200, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 200, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 200, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 200, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 200,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0239, 48.5159, 63.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 200, 202) }
```

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

```
.background{ background-color: rgb(104,  
200, 202) }
```

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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