

Converting Colors

XYZ(37.1603, 49.9520, 64.7993)

Have a look what the booklet for
XYZ(37.1603, 49.9520, 64.7993)
contains.

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Color

**XYZ(37.2113, 49.9783,
64.8123)**

Conversions

Conversions Part 1

Format	Color
Hex	5FCCCC
RGB	95, 204, 204
RGB Percent	37%, 80%, 80%
CMY	0.6274, 0.2000, 0.2000
CMYK	0.53, 0.00, 0.00, 0.20
HSL	180°, 52%, 59%
HSV	180°, 53%, 80%
XYZ	37.2113, 49.9783, 64.8123
YIQ	171.4090, -64.9640, -23.1080

Conversions

Conversions Part 2

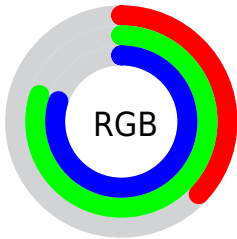
Format	Color
RYB	95, 150, 204
Decimal	6278348
CIELab	76.06, -31.02, -9.52
CIELCh	76, 32.446, 197.068
Yxy	49.9783, 0.2448, 0.3288
Android (android.graphics.Color)	4284468428 (0xFF5FCCCC)
YUV	171.4090, 16.0674, -67.0107
Hunter-Lab	70.6953, -29.7613, -4.8693

Details

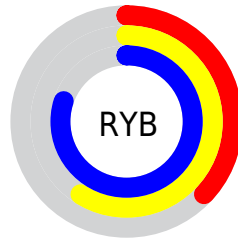
The XYZ color **37.2113, 49.9783, 64.8123** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.0613, 21.8496, 13.4085**, and the grayscale version is **38.8609, 40.8847, 44.5234**.

A 20% lighter version of the original color is **67.1364, 85.6100, 107.5937**, and **16.5617, 23.8563, 32.5860** is the 20% darker color. If you saturate the color by 10%, you get **35.3637, 49.0270, 64.7267**, and if you desaturate by 10%, it is **39.6167, 51.2195, 64.9262**.

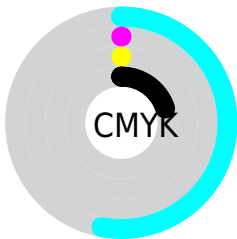
Distribution



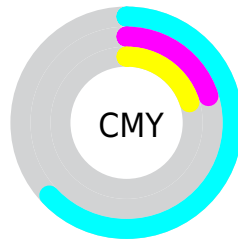
- Red (37%)
- Green (80%)
- Blue (80%)



- Red (37%)
- Yellow (59%)
- Blue (80%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (63%)
- Magenta (20%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2113, 49.9783, 64.8123 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 37.2113, 49.9783, 64.8123 by changing the saturation by 10% instead.

37.2113, 49.9783,
64.8123

37.2113, 49.9783,
64.8123

325.5641,
386.5811, 460.4049

25.5456, 35.3962,
46.8585

70.2094, 90.1427,
113.3907

16.6149, 23.9682,
32.5703

92.2724, 116.4938,
144.8523

10.0539, 15.3100,
21.5290

118.5319,
147.5366, 181.6537

5.4972, 9.0373,
13.3163

149.3533,
183.6556, 224.2133

2.5796, 4.7655,
7.5134

185.1018,
225.2352, 272.9496

0.9356, 2.1103,
3.7019

226.1429,

0.0000, 0.6704,

272.6597, 328.2813

1.4633

272.8419,
326.3135, 390.6269

■ 0.0000, 0.0000,
0.1904

■ 0.0000, 0.0000,
0.0000

■ 37.2113, 49.9783,
64.8123

■ 37.2113, 49.9783,
64.8123

■ 35.3637, 49.0270,
64.7267

■ 39.6167, 51.2195,
64.9262

■ 34.0252, 48.3369,
64.6639

■ 42.6149, 52.7651,
65.0667

■ 33.1461, 47.8838,
64.6225

■ 46.2433, 54.6356,
65.2368

■ 32.6647, 47.6356,
64.5997

■ 50.5351, 56.8481,
65.4379

■ 32.4927, 47.5470,
64.5915

■ 55.5209, 59.4184,
65.6714

■ 61.2297, 62.3614,
65.9388

■ 67.6886, 65.6910,
66.2413

■ 73.7333, 68.8072,
66.5244

■ 73.7333, 68.8072,
66.5246

Harmonies

Analogous

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



37.0267, 49.9783, 47.2855



37.2113, 49.9783, 64.8123



39.9996, 49.9783, 82.6917

Triad

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



37.2113, 49.9783, 64.8123



56.5556, 49.9783, 80.4613



50.1588, 49.9783, 27.9416

Complementary

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



37.2113, 49.9783, 64.8123



31.0613, 21.8496, 13.4085

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.



55.8903, 49.9783, 33.4582



37.2113, 49.9783, 64.8123



59.7893, 49.9783, 62.2336

Square

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



37.2113, 49.9783, 64.8123



51.0057, 49.9783, 92.9617



59.5360, 49.9783, 45.1988



44.1642, 49.9783, 28.3432

Rectangle

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



37.2113, 49.9783, 64.8123



43.1055, 49.9783, 91.3028



59.5360, 49.9783, 45.1988



52.1895, 49.9783, 29.1059

Sweetspot

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



37.2128, 49.9802, 64.8135



81.5999, 93.0662, 108.2699



28.5703, 46.5453, 18.3061



17.1426, 19.7534, 23.1591



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.



37.2128, 49.9802, 64.8135



58.2032, 81.0048, 107.1732



26.7377, 29.0297, 61.3229



11.5433, 12.7271, 14.4185



20.4506, 29.9255, 40.6532



1.0550, 1.5438, 2.0973

Inverse Universe

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



31.0613, 21.8496, 13.4085



46.9730, 29.6489, 13.3272



37.5096, 34.7461, 15.5575



11.2124, 11.2137, 11.6530



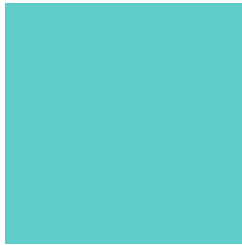
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 37.2113, 49.9783, 64.8123 looks on a white background.

Color Contrast Check

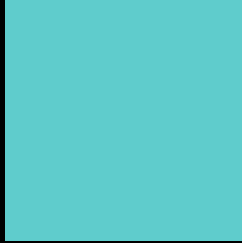
Large Text (above 18pt) WCAG AA × Fail

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 37.2113, 49.9783, 64.8123 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

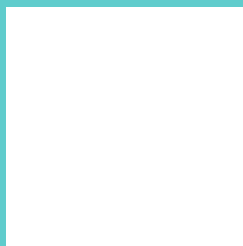
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2113, 49.9783, 64.8123

Background



This preview shows how black text looks on a background with the XYZ color 37.2113, 49.9783, 64.8123.



This preview shows how white text looks on a background with the XYZ color 37.2113, 49.9783,

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

37.2113, 49.9783, 64.8123

Protanopia

47.7136, 49.2395, 57.4415

Deuteranopia

50.2806, 49.1205, 67.1527



Tritanopia

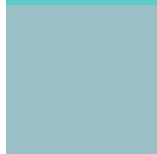
39.0309, 50.0123, 73.9259

Trichromacy



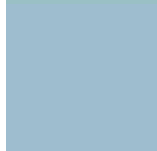
Original Color

37.2113, 49.9783, 64.8123



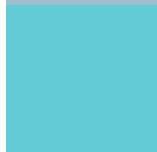
Protanomaly

42.2541, 48.6005, 59.9771



Deuteranomaly

43.5606, 48.1693, 66.0332



Tritanomaly

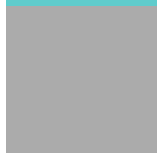
38.4032, 50.1126, 70.5994

Monochromacy



Original Color

37.2113, 49.9783, 64.8123



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

36.8084, 43.1255, 51.1838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2113, 49.9783, 64.8123 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(95, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(95, 204, 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(95, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 204, 204) }
```

Border

The CSS property to change the border of an element to XYZ 37.2113, 49.9783, 64.8123 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(95, 204, 204) }
```


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

```
.border{ border-color:rgb(95, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(95, 204,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2113, 49.9783, 64.8123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 204, 204) }
```

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

```
.background{ background-color: rgb(95, 204,  
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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