

Converting Colors

XYZ(37.3782, 49.2107, 63.8762)

Have a look what the booklet for
XYZ(37.3782, 49.2107, 63.8762)
contains.

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Color

**XYZ(37.4935, 49.4364,
64.0660)**

Conversions

Conversions Part 1

Format	Color
Hex	67CACB
RGB	103, 202, 203
RGB Percent	40%, 79%, 80%
CMY	0.5961, 0.2078, 0.2039
CMYK	0.49, 0.00, 0.00, 0.20
HSL	181°, 49%, 60%
HSV	181°, 49%, 80%
XYZ	37.4935, 49.4364, 64.0660
YIQ	172.5130, -59.3250, -20.6770

Conversions

Conversions Part 2

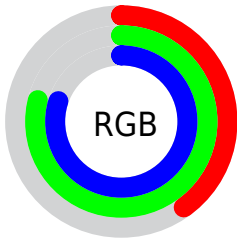
Format	Color
RYB	103, 153, 203
Decimal	6802123
CIELab	75.72, -28.65, -9.45
CIELCh	76, 30.173, 198.252
Yxy	49.4364, 0.2483, 0.3274
Android (android.graphics.Color)	4284992203 (0xFF67CACB)
YUV	172.5130, 15.0301, -60.9629
Hunter-Lab	70.3110, -27.8588, -4.8061

Details

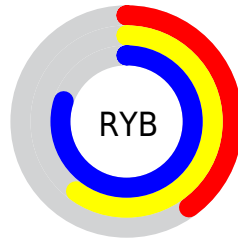
The XYZ color **37.4935, 49.4364, 64.0660** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.0279, 23.5771, 15.6959**, and the grayscale version is **39.4216, 41.4746, 45.1659**.

A 20% lighter version of the original color is **68.5079, 86.3171, 107.6579**, and **16.8514, 23.7811, 32.1358** is the 20% darker color. If you saturate the color by 10%, you get **35.3947, 48.2850, 63.9553**, and if you desaturate by 10%, it is **40.1605, 50.8831, 64.2055**.

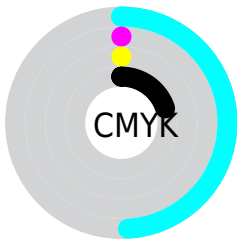
Distribution



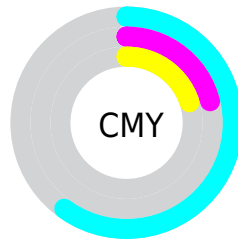
- Red (40%)
- Green (79%)
- Blue (80%)



- Red (40%)
- Yellow (60%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4935, 49.4364, 64.0660 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 37.4935, 49.4364, 64.0660 by changing the saturation by 10% instead.

37.4935, 49.4364,
64.0660

37.4935, 49.4364,
64.0660

326.7608,
384.4578, 457.6419

25.7652, 34.9658,
46.2576

70.6401, 89.3393,
112.3064

16.7799, 23.6365,
32.0990

92.7891, 115.5403,
143.5754

10.1720, 15.0642,
21.1717

119.1424,
146.4203, 180.1684

5.5763, 8.8645,
13.0571

150.0653,
182.3635, 222.5040

2.6274, 4.6529,
7.3367

185.9233,
223.7545, 271.0005

0.9599, 2.0451,
3.5919

227.0816,

0.0000, 0.6335,

270.9777, 326.0767

1.4043

273.9056,
324.4173, 388.1510

■ 0.0000, 0.0000,
0.1450

■ 0.0000, 0.0000,
0.0000

■ 37.4935, 49.4364,
64.0660

■ 37.4935, 49.4364,
64.0660

■ 35.3947, 48.2850,
63.9553

■ 40.1605, 50.8831,
64.2055

■ 33.8180, 47.4018,
63.8679


■ 43.4288, 52.6387,
64.3721


■ 32.7177, 46.7642,
63.8028


■ 47.3341, 54.7227,
64.5686


■ 32.0379, 46.3435,
63.7574


■ 51.9079, 57.1515,
64.7963

 31.6829, 46.0903,
63.7273

 57.1799, 59.9403,
65.0567

 31.6605, 46.0736,
63.7252

 63.1780, 63.1035,
65.3512

 69.9282, 66.6546,
65.6808

 73.5233, 68.5792,
65.8628

 73.5714, 68.6754,
65.8788

Harmonies

Analogous

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



37.2224, 49.4364, 47.7952



37.4935, 49.4364, 64.0660



40.1823, 49.4364, 80.2428

Triad

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



37.4935, 49.4364, 64.0660



55.4801, 49.4364, 77.0599



49.2124, 49.4364, 28.9465

Complementary

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



37.4935, 49.4364, 64.0660



32.0279, 23.5771, 15.6959

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.



54.5214, 49.4364, 33.9574



37.4935, 49.4364, 64.0660



58.3273, 49.4364, 60.3478

Square

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



37.4935, 49.4364, 64.0660



50.4385, 49.4364, 88.7106



57.9632, 49.4364, 44.7430



43.6982, 49.4364, 29.5490

Rectangle

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



37.4935, 49.4364, 64.0660



43.1133, 49.4364, 87.8168



57.9632, 49.4364, 44.7430



51.0877, 49.4364, 29.9820

Sweetspot

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



37.4950, 49.4383, 64.0672



82.2293, 93.2101, 108.2651



29.3987, 46.5757, 20.2736



17.2608, 19.7703, 23.1563



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.



37.4950, 49.4383, 64.0672



59.1058, 80.7617, 107.0811



27.7654, 29.9791, 60.8240



11.5333, 12.7071, 14.4152



20.1526, 29.3292, 40.5552



1.0428, 1.5194, 2.0932

Inverse Universe

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



40.1407, 26.6625, 58.9099



64.0550, 38.3954, 97.3803



38.4691, 36.4595, 17.8429



11.6826, 11.4018, 14.1289



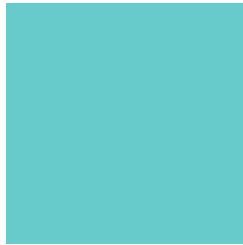
22.3830, 10.7638, 36.0652



1.1563, 0.5559, 1.8690

Previews

White Background



This preview shows how the XYZ color 37.4935, 49.4364, 64.0660 looks on a white background.

Color Contrast Check

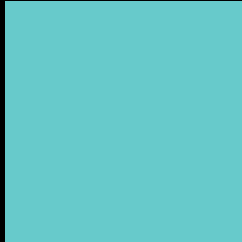
Large Text (above 18pt) WCAG AA × Fail

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 37.4935, 49.4364, 64.0660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

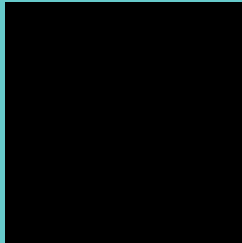
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4935, 49.4364, 64.0660

Background



This preview shows how black text looks on a background with the XYZ color 37.4935, 49.4364, 64.0660.

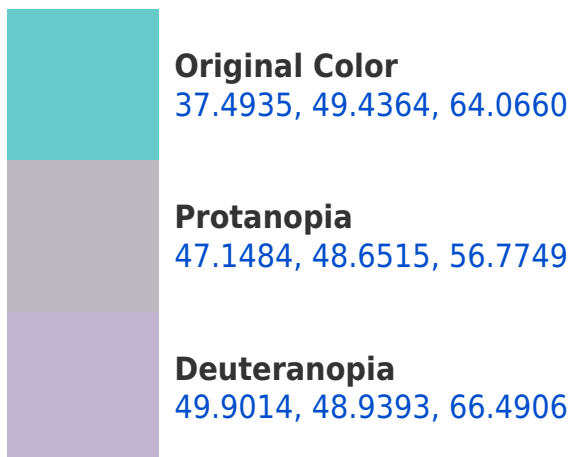


This preview shows how white text looks on a background with the XYZ color 37.4935, 49.4364,

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





Tritanopia

39.1124, 49.3922, 72.4380

Trichromacy



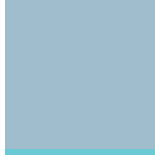
Original Color

37.4935, 49.4364, 64.0660



Protanomaly

42.3049, 48.3150, 59.3206



Deuteranomaly

43.8354, 48.3250, 65.4098



Tritanomaly

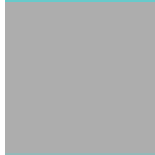
38.5884, 49.5406, 69.1565

Monochromacy



Original Color

37.4935, 49.4364, 64.0660



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

38.0050, 44.0376, 51.8444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4935, 49.4364, 64.0660 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(103, 202, 203)` looks like.

```
.text, #text, p{  
    color:rgb(103, 202, 203)  
}
```

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(103, 202, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 202, 203) }
```

Border

The CSS property to change the border of an element to XYZ 37.4935, 49.4364, 64.0660 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(103, 202, 203) }
```


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

```
.border{ border-color:rgb(103, 202, 203) }
```

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

Here you see how a box with a 4 pixel rgb(103, 202, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 202, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 202, 203);  
box-shadow:4px 4px 4px 4px rgb(103, 202,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4935, 49.4364, 64.0660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 202, 203) }
```

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

```
.background{ background-color: rgb(103,  
202, 203) }
```

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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