

# Converting Colors

XYZ(37.6229, 46.7771, 58.2083)

Have a look what the booklet for  
XYZ(37.6229, 46.7771, 58.2083)  
contains.

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# Color

**XYZ(37.6336, 46.9142,  
58.1108)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EC2C2
RGB	126, 194, 194
RGB Percent	49%, 76%, 76%
CMY	0.5059, 0.2392, 0.2392
CMYK	0.35, 0.00, 0.00, 0.24
HSL	180°, 36%, 63%
HSV	180°, 35%, 76%
XYZ	37.6336, 46.9142, 58.1108
YIQ	173.6680, -40.5280, -14.4160

# Conversions

## Conversions Part 2

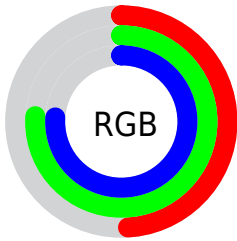
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	126, 160, 194
Decimal	8307394
CIE Lab	74.13, -21.36, -6.82
CIE LCh	74, 22.421, 197.720
Yxy	46.9142, 0.2638, 0.3289
Android (android.graphics.Color)	4286497474 (0xFF7EC2C2)
YUV	173.6680, 10.0237, -41.8048
Hunter-Lab	68.4939, -21.7886, -2.3563

# Details

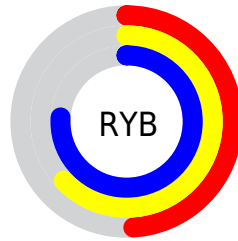
The XYZ color **37.6336, 46.9142, 58.1108** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.4765, 27.8988, 23.3611**, and the grayscale version is **40.0281, 42.1127, 45.8607**.

A 20% lighter version of the original color is **70.8086, 85.7202, 103.2561**, and **16.7842, 22.0273, 28.1780** is the 20% darker color. If you saturate the color by 10%, you get **35.0460, 45.5814, 57.9904**, and if you desaturate by 10%, it is **40.7787, 48.5367, 58.2593**.

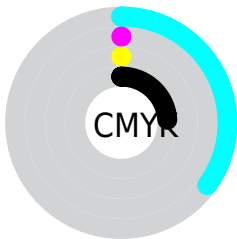
# Distribution



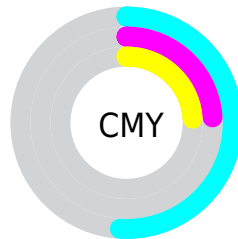
- Red (49%)
- Green (76%)
- Blue (76%)



- Red (49%)
- Yellow (63%)
- Blue (76%)



- Cyan (35%)
- Magenta (0%)
- Yellow (0%)
- Black (24%)



- Cyan (51%)
- Magenta (24%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6336, 46.9142, 58.1108 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 37.6336, 46.9142, 58.1108 by changing the saturation by 10% instead.



■ 37.6336, 46.9142,  
58.1108

■ 37.6336, 46.9142,  
58.1108

327.3537,  
374.4719, 435.2085

■ 25.8744, 32.9678,  
41.4824

■ 70.8537, 85.5855,  
103.6006

■ 16.8619, 22.1018,  
28.3737

■ 93.0453, 111.0793,  
133.2990

■ 10.2307, 13.9317,  
18.3661

■ 119.4451,  
141.1910, 168.1913

■ 5.6157, 8.0732,  
11.0410

150.4183,  
176.3050, 208.6959

■ 2.6512, 4.1418,  
5.9799

186.3305,  
216.8057, 255.2314

■ 0.9721, 1.7532,  
2.7643

227.5468,

■ 0.0000, 0.4578,

263.0775, 308.2163

0.9756

274.4328,  
315.5048, 368.0691

■ 0.0000, 0.0000,  
0.0000

■ 37.6336, 46.9142,  
58.1108

■ 37.6336, 46.9142,  
58.1108

■ 35.0460, 45.5814,  
57.9904

■ 40.7787, 48.5367,  
58.2593

■ 32.9796, 44.5161,  
57.8933

■ 44.5067, 50.4586,  
58.4341

■ 31.4002, 43.7020,  
57.8191

■ 48.8467, 52.6959,  
58.6376

■ 30.2680, 43.1183,  
57.7658

■ 53.8242, 55.2619,  
58.8709

■ 29.5367, 42.7413,  
57.7312

■ 59.4636, 58.1691,  
59.1351

■ 29.1501, 42.5420,  
57.7128

■ 65.7879, 61.4294,  
59.4314

■ 29.0299, 42.4800,  
57.7070

■ 70.2708, 63.7404,  
59.6416

■ 70.2708, 63.7404,  
59.6419

■ 70.2709, 63.7404,  
59.6422

# Harmonies

## Analogous

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



37.4645, 46.9142, 46.5219



37.6336, 46.9142, 58.1108



39.5959, 46.9142, 69.2480

# Triad

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



37.6336, 46.9142, 58.1108



50.5497, 46.9142, 67.4465



46.2528, 46.9142, 32.3803

# Complementary

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



37.6336, 46.9142, 58.1108



33.4765, 27.8988, 23.3611

# 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.



49.9885, 46.9142, 36.4074



37.6336, 46.9142, 58.1108



52.5673, 46.9142, 55.9299

# Square

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



37.6336, 46.9142, 58.1108



46.9818, 46.9142, 75.1693



52.3560, 46.9142, 44.6434



42.2819, 46.9142, 32.7827



# Rectangle

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



37.6336, 46.9142, 58.1108



41.7272, 46.9142, 74.3935



52.3560, 46.9142, 44.6434



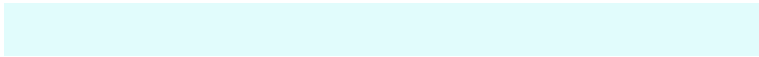
47.5820, 46.9142, 33.2324

# Sweetspot

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



37.6350, 46.9161, 58.1119



83.5457, 92.9168, 106.0005



31.8314, 44.6141, 26.6735



18.0636, 20.2282, 23.2022



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.



37.6350, 46.9161, 58.1119



64.5225, 83.1101, 105.1083



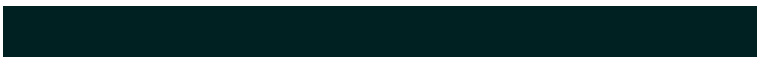
31.1114, 33.8686, 55.9385



10.3686, 11.4285, 12.9442



19.0856, 27.9283, 37.9392



0.8246, 1.2067, 1.6393



# Inverse Universe

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



33.4765, 27.8988, 23.3611



55.8733, 43.5559, 32.8297



38.3909, 37.7278, 24.9986



10.0732, 10.0779, 10.4762



14.6275, 7.5408, 0.6847

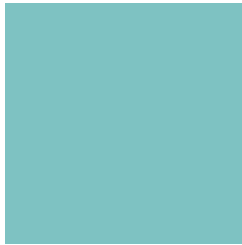


0.6320, 0.3258, 0.0296



# Previews

## White Background



This preview shows how the XYZ color 37.6336, 46.9142, 58.1108 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

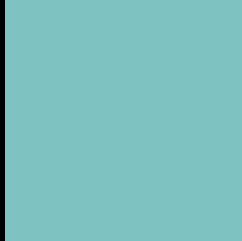
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6336, 46.9142, 58.1108 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

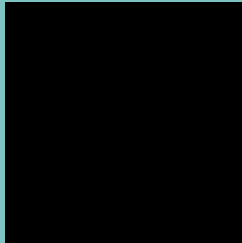
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.6336, 46.9142, 58.1108**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6336, 46.9142, 58.1108.



This preview shows how white text looks on a background with the XYZ color 37.6336, 46.9142,



# 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

37.6336, 46.9142, 58.1108

### Protanopia

44.7126, 46.2550, 53.0259

### Deuteranopia

47.4566, 46.3344, 59.8683



## Tritanopia

39.1654, 46.8714, 66.0143

# Trichromacy



## Original Color

37.6336, 46.9142, 58.1108

## Protanomaly

41.4346, 46.0534, 54.8495

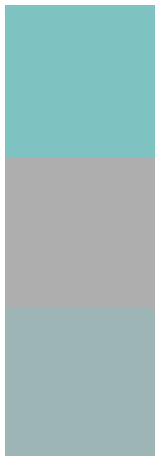
## Deuteranomaly

43.1600, 46.2230, 59.4705

## Tritanomaly

38.6327, 46.9934, 62.9116

# Monochromacy



## Original Color

37.6336, 46.9142, 58.1108

## Achromatopsia

40.2316, 42.3268, 46.0938

## Achromatomaly

38.7690, 43.5520, 50.0791

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6336, 46.9142, 58.1108 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(126, 194, 194)` looks like.

```
.text, #text, p{  
    color:rgb(126, 194, 194)  
}
```

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(126, 194, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 194, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6336, 46.9142, 58.1108 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(126, 194, 194) }
```



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

```
.border{ border-color:rgb(126, 194, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 194, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 194, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 194, 194);  
box-shadow:4px 4px 4px 4px rgb(126, 194,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6336, 46.9142, 58.1108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 194, 194) }
```

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

```
.background{ background-color: rgb(126,  
194, 194) }
```

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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