

# Converting Colors

XYZ(37.0152, 46.4848, 62.8394)

Have a look what the booklet for  
XYZ(37.0152, 46.4848, 62.8394)  
contains.

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# Color

**XYZ(37.0227, 46.4927,  
62.8998)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73C2CA
RGB	115, 194, 202
RGB Percent	45%, 76%, 79%
CMY	0.5490, 0.2392, 0.2078
CMYK	0.43, 0.04, 0.00, 0.21
HSL	186°, 45%, 62%
HSV	186°, 43%, 79%
XYZ	37.0227, 46.4927, 62.8998
YIQ	171.2910, -49.6520, -14.2600

# Conversions

## Conversions Part 2

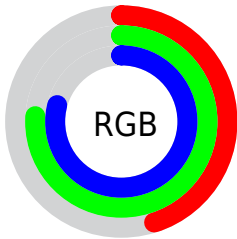
Format	Color
R <sub>YB</sub>	115, 156, 202
Decimal	7586506
CIE Lab	73.86, -22.19, -11.63
CIE LCh	74, 25.051, 207.662
Yxy	46.4927, 0.2529, 0.3175
Android (android.graphics.Color)	4285776586 (0xFF73C2CA)
YUV	171.2910, 15.1395, -49.3672
Hunter-Lab	68.1856, -22.4046, -6.9639

# Details

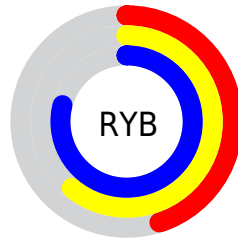
The XYZ color **37.0227, 46.4927, 62.8998** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.5354, 27.9610, 19.7976**, and the grayscale version is **38.8003, 40.8209, 44.4540**.

A 20% lighter version of the original color is **69.3418, 84.8723, 107.3350**, and **16.4683, 21.7938, 31.3556** is the 20% darker color. If you saturate the color by 10%, you get **34.2416, 44.4503, 62.6530**, and if you desaturate by 10%, it is **40.3938, 48.8491, 63.1778**.

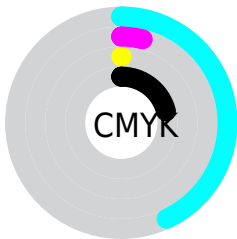
# Distribution



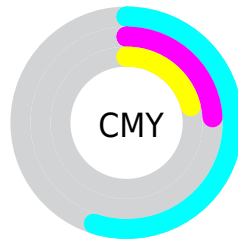
- Red (45%)
- Green (76%)
- Blue (79%)



- Red (45%)
- Yellow (61%)
- Blue (79%)



- Cyan (43%)
- Magenta (4%)
- Yellow (0%)
- Black (21%)



- Cyan (55%)
- Magenta (24%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0227, 46.4927, 62.8998 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 37.0227, 46.4927, 62.8998 by changing the saturation by 10% instead.



37.0227, 46.4927,  
62.8998

37.0227, 46.4927,  
62.8998

324.7626,  
372.7859, 453.3037

25.3988, 32.6348,  
45.3197

69.9213, 84.9559,  
110.6091

16.5048, 21.8468,  
31.3645

91.9267, 110.3300,  
141.5754

9.9751, 13.7444,  
20.6158

118.1234,  
140.3115, 177.8408

5.4446, 7.9431,  
12.6549

148.8766,  
175.2850, 219.8239

2.5478, 4.0586,  
7.0635

184.5518,  
215.6348, 267.9432

0.9194, 1.7064,  
3.4228

225.5143,

0.0000, 0.4278,

261.7453, 322.6172

1.3143

272.1295,  
314.0009, 384.2645

■ 0.0000, 0.0000,  
0.0735

■ 0.0000, 0.0000,  
0.0000

■ 37.0227, 46.4927,  
62.8998

■ 37.0227, 46.4927,  
62.8998

■ 34.2416, 44.4503,  
62.6530

■ 40.3938, 48.8491,  
63.1778

■ 32.0077, 42.6966,  
62.4322


■ 44.3857, 51.5321,  
63.4852


■ 30.2796, 41.2112,  
62.2366

■ 49.0318, 54.5601,  
63.8248


■ 29.0076, 39.9685,  
62.0638


■ 54.3623, 57.9487,  
64.1979


 28.1320, 38.9378,  
61.9110

 60.4052, 61.7123,  
64.6059

 27.6833, 38.3093,  
61.8133

 67.1871, 65.8646,  
65.0499

 74.2143, 70.1513,  
65.5070

 74.6669, 71.0565,  
65.6578

 75.1248, 71.9723,  
65.8105

# Harmonies

## Analogous

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



36.1648, 46.4927, 49.6277



37.0227, 46.4927, 62.8998



39.7605, 46.4927, 74.3328

# Triad

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



37.0227, 46.4927, 62.8998



51.8372, 46.4927, 64.9260



44.5405, 46.4927, 29.8382

# Complementary

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



37.0227, 46.4927, 62.8998



34.5354, 27.9610, 19.7976

# 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.



48.9366, 46.4927, 32.5810



37.0227, 46.4927, 62.8998



53.3222, 46.4927, 51.6308

# Square

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



37.0227, 46.4927, 62.8998



48.2912, 46.4927, 75.6342



52.2271, 46.4927, 40.0570



40.3277, 46.4927, 31.8401



# Rectangle

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



37.0227, 46.4927, 62.8998



42.3831, 46.4927, 78.5991



52.2271, 46.4927, 40.0570



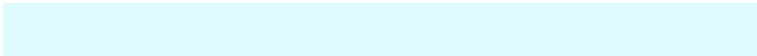
46.0473, 46.4927, 30.2241

# Sweetspot

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



37.0241, 46.4945, 62.9009



82.9237, 92.3168, 108.0561



31.7202, 47.2982, 25.9525



17.3518, 19.5032, 23.0999



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.



37.0241, 46.4945, 62.9009



58.1265, 75.3742, 106.0928



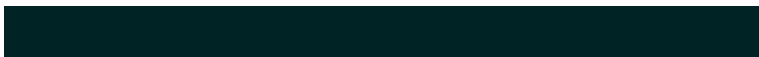
28.8389, 30.1241, 60.1725



11.4517, 12.5438, 14.3880



17.8483, 24.7205, 39.7871



0.9471, 1.3280, 2.0614



# Inverse Universe

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



40.2266, 28.7143, 54.4632



64.3977, 41.7371, 89.3054



41.0435, 40.9771, 21.9670



11.6413, 11.3853, 13.9119



21.2199, 10.2985, 29.9403

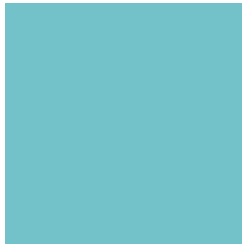


1.1080, 0.5366, 1.6146



# Previews

## White Background



This preview shows how the XYZ color 37.0227, 46.4927, 62.8998 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

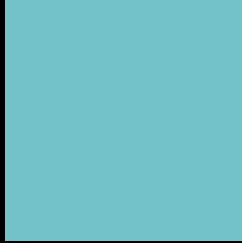
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.0227, 46.4927, 62.8998 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 37.0227, 46.4927, 62.8998**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0227, 46.4927, 62.8998.



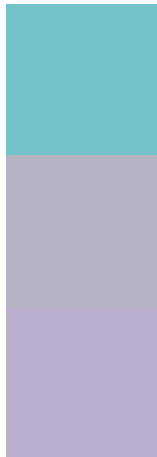
This preview shows how white text looks on a background with the XYZ color 37.0227, 46.4927,



# 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

37.0227, 46.4927, 62.8998

### Protanopia

44.5681, 45.7938, 56.9422

### Deuteranopia

46.9156, 45.9460, 64.7883



## Tritanopia

37.9147, 46.5253, 67.3036

# Trichromacy



**Original Color**

37.0227, 46.4927, 62.8998

**Protanomaly**

40.8146, 45.3344, 58.8238

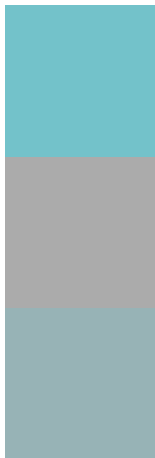
**Deuteranomaly**

42.4501, 45.7483, 64.3506

**Tritanomaly**

37.4130, 46.3092, 65.3592

# Monochromacy



**Original Color**

37.0227, 46.4927, 62.8998

**Achromatopsia**

38.7082, 40.7240, 44.3485

**Achromatomaly**

37.3261, 42.1969, 50.4335

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0227, 46.4927, 62.8998 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(115, 194, 202)` looks like.

```
.text, #text, p{  
    color:rgb(115, 194, 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(115, 194, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 194, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0227, 46.4927, 62.8998 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(115, 194, 202) }
```



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

```
.border{ border-color:rgb(115, 194, 202) }
```

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

Here you see how a box with a 4 pixel rgb(115, 194, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 194, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 194, 202);  
box-shadow:4px 4px 4px 4px rgb(115, 194,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0227, 46.4927, 62.8998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 194, 202) }
```

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

```
.background{ background-color: rgb(115,  
194, 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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