

# Converting Colors

XYZ(30.5787, 36.8094, 41.6762)

Have a look what the booklet for  
XYZ(30.5787, 36.8094, 41.6762)  
contains.

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# Color

**XYZ(30.5375, 36.8474,  
41.5792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80ACA6
RGB	128, 172, 166
RGB Percent	50%, 67%, 65%
CMY	0.4980, 0.3255, 0.3490
CMYK	0.26, 0.00, 0.03, 0.33
HSL	172°, 21%, 59%
HSV	172°, 26%, 67%
XYZ	30.5375, 36.8474, 41.5792
YIQ	158.1600, -24.2980, -11.1940

# Conversions

## Conversions Part 2

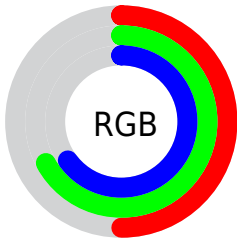
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 152, 172
Decimal	8432806
CIELab	67.16, -16.00, -1.72
CIELCh	67, 16.097, 186.123
Yxy	36.8474, 0.2803, 0.3382
Android (android.graphics.Color)	4286622886 (0xFF80ACA6)
YUV	158.1600, 3.8651, -26.4503
Hunter-Lab	60.7021, -16.4303, 1.8795

# Details

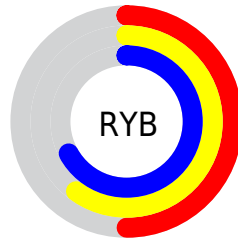
The XYZ color **30.5375, 36.8474, 41.5792** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.0367, 25.9311, 26.0304**, and the grayscale version is **32.5637, 34.2595, 37.3086**.

A 20% lighter version of the original color is **59.8116, 70.1037, 78.7856**, and **12.8143, 16.2256, 18.3761** is the 20% darker color. If you saturate the color by 10%, you get **27.9535, 35.5409, 40.3457**, and if you desaturate by 10%, it is **33.5662, 38.3846, 42.8556**.

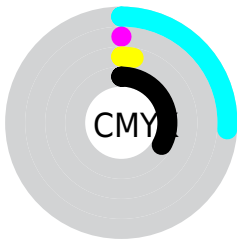
# Distribution



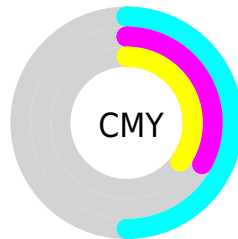
- Red (50%)
- Green (67%)
- Blue (65%)



- Red (50%)
- Yellow (60%)
- Blue (67%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)




- Cyan (50%)
- Magenta (33%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5375, 36.8474, 41.5792 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 30.5375, 36.8474, 41.5792 by changing the saturation by 10% instead.





 30.5375, 36.8474,  
41.5792

 30.5375, 36.8474,  
41.5792

296.2670,  
332.6494, 368.4837


 20.3970, 25.0894,  
28.4488


 59.8920, 70.3380,  
78.8256

 12.7939, 16.1436,  
18.4223


 79.8367, 92.8394,  
103.7786

 7.3628, 9.6259,  
11.0810


 103.7802,  
119.6907, 133.5097

 3.7383, 5.1516,  
6.0065

132.0878,  
151.2762, 168.4373

 1.5552, 2.3365,  
2.7802

165.1250,  
187.9805, 208.9799

 0.3629, 0.7929,  
0.9835

203.2570,

 0.0000, 0.0000,

230.1879, 255.5562

0.0000

246.8492,  
278.2827, 308.5846

■ 30.5375, 36.8474,  
41.5792

■ 30.5375, 36.8474,  
41.5792

■ 27.9535, 35.5409,  
40.3457

■ 33.5662, 38.3846,  
42.8556

■ 25.7888, 34.4491,  
39.1513

■ 37.0568, 40.1586,  
44.1735

■ 24.0204, 33.5612,  
37.9959

■ 41.0299, 42.1807,  
45.5347

■ 22.6218, 32.8635,  
36.8779

■ 45.5034, 44.4604,  
46.9401

■ 21.5633, 32.3407,  
35.7958

■ 50.4947, 47.0066,  
48.3906

■ 20.8104, 31.9750,  
34.7481

■ 56.0202, 49.8277,  
49.8872

■ 20.3194, 31.7438,  
33.7324

■ 62.0955, 52.9317,  
51.4306

■ 20.1414, 31.6617,  
33.2918

■ 64.7260, 54.2595,  
52.8341

■ 64.9754, 54.3593,  
54.1474

# Harmonies

## Analogous

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



30.8828, 36.8474, 34.8959



30.5375, 36.8474, 41.5792



31.3479, 36.8474, 48.6252

# Triad

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



30.5375, 36.8474, 41.5792



37.8781, 36.8474, 52.0548



36.9670, 36.8474, 28.9897

# Complementary

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



30.5375, 36.8474, 41.5792



29.0367, 25.9311, 26.0304

# 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.



38.9733, 36.8474, 32.6703



30.5375, 36.8474, 41.5792



39.5163, 36.8474, 45.8422

# Square

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



30.5375, 36.8474, 41.5792



35.5280, 36.8474, 55.1113



39.9261, 36.8474, 38.6964



34.5215, 36.8474, 28.1292



# Rectangle

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



30.5375, 36.8474, 41.5792



32.4577, 36.8474, 52.4171



39.9261, 36.8474, 38.6964



37.7186, 36.8474, 29.9153

# Sweetspot

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



30.5386, 36.8489, 41.5800



65.5197, 71.9839, 79.5140



28.5773, 36.1828, 25.9004



14.0319, 15.5385, 17.2034



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.5386, 36.8489, 41.5800



52.5037, 65.3806, 74.0826



28.3389, 31.5478, 43.6272



8.1886, 9.0530, 10.0183



15.0027, 23.5664, 24.8517



0.4301, 0.6607, 0.7583



# Inverse Universe

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



29.0367, 25.9311, 26.0304



49.2889, 41.9915, 40.7834



30.7934, 30.0955, 24.6086



8.0481, 8.0325, 8.5640



12.7916, 6.5792, 1.2822



0.3694, 0.1884, 0.1068



# Previews

## White Background



This preview shows how the XYZ color 30.5375, 36.8474, 41.5792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

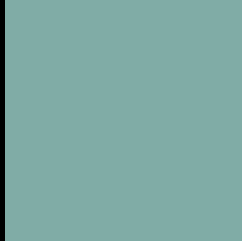
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.5375, 36.8474, 41.5792 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

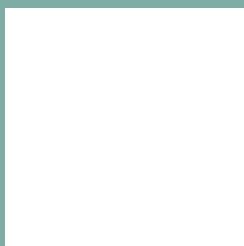
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 30.5375, 36.8474, 41.5792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5375, 36.8474, 41.5792.



This preview shows how white text looks on a background with the XYZ color 30.5375, 36.8474,



# 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

30.5375, 36.8474, 41.5792

### Protanopia

34.9914, 36.4857, 38.4559

### Deuteranopia

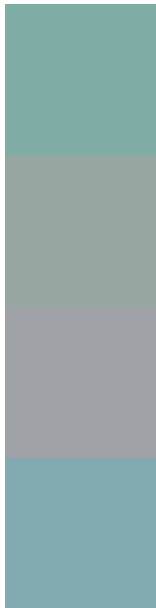
37.2928, 36.5484, 42.6251



## Tritanopia

32.2509, 36.7004, 50.1838

# Trichromacy



**Original Color**

30.5375, 36.8474, 41.5792

**Protanomaly**

33.1067, 36.5565, 39.4936

**Deuteranomaly**

34.4632, 36.3925, 42.2538

**Tritanomaly**

31.6706, 36.7491, 47.0190

# Monochromacy



**Original Color**

30.5375, 36.8474, 41.5792

**Achromatopsia**

32.4990, 34.1914, 37.2345

**Achromatomaly**

31.5628, 34.9706, 38.8047

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5375, 36.8474, 41.5792 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(128, 172, 166)` looks like.

```
.text, #text, p{  
    color:rgb(128, 172, 166)  
}
```

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(128, 172, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 172, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5375, 36.8474, 41.5792 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(128, 172, 166) }
```



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

```
.border{ border-color:rgb(128, 172, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 172, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 172, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 172, 166);  
box-shadow:4px 4px 4px 4px rgb(128, 172,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5375, 36.8474, 41.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 172, 166) }
```

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

```
.background{ background-color: rgb(128,  
172, 166) }
```

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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