

# Converting Colors

XYZ(30.0960, 35.8934, 36.3522)

Have a look what the booklet for  
XYZ(30.0960, 35.8934, 36.3522)  
contains.

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# Color

**XYZ(30.0960, 35.8934,  
36.3522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A99B
RGB	135, 169, 155
RGB Percent	53%, 66%, 61%
CMY	0.4706, 0.3372, 0.3922
CMYK	0.20, 0.00, 0.08, 0.34
HSL	155°, 17%, 60%
HSV	155°, 20%, 66%
XYZ	30.0960, 35.8934, 36.3522
YIQ	157.2380, -15.7700, -11.5620

# Conversions

## Conversions Part 2

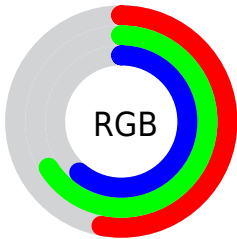
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 156, 169
Decimal	8890779
CIELab	66.44, -14.54, 3.39
CIElCh	66, 14.932, 166.881
Yxy	35.8934, 0.2941, 0.3507
Android (android.graphics.Color)	4287080859 (0xFF87A99B)
YUV	157.2380, -1.1033, -19.5027
Hunter-Lab	59.9111, -15.1760, 5.9624

# Details

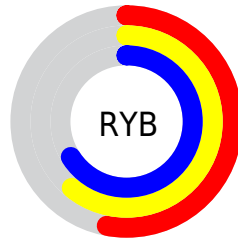
The XYZ color **30.0960, 35.8934, 36.3522** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4522, 27.9337, 32.2220**, and the grayscale version is **32.1656, 33.8408, 36.8526**.

A 20% lighter version of the original color is **59.1505, 68.7336, 70.4709**, and **12.6063, 15.6534, 15.4537** is the 20% darker color. If you saturate the color by 10%, you get **27.0221, 34.3754, 33.2451**, and if you desaturate by 10%, it is **33.6372, 37.6505, 39.6586**.

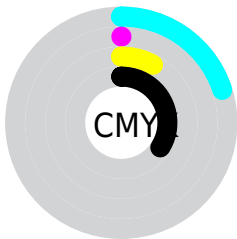
# Distribution



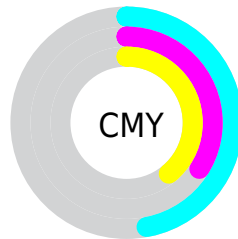
- Red (53%)
- Green (66%)
- Blue (61%)



- Red (53%)
- Yellow (61%)
- Blue (66%)



- Cyan (20%)
- Magenta (0%)
- Yellow (8%)
- Black (34%)



- Cyan (47%)
- Magenta (34%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0960, 35.8934, 36.3522 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 30.0960, 35.8934, 36.3522 by changing the saturation by 10% instead.



■ 30.0960, 35.8934,  
36.3522

■ 30.0960, 35.8934,  
36.3522

294.2535,  
328.4944, 345.5812

■ 20.0599, 24.3519,  
24.4145

■ 59.1995, 68.8675,  
70.7505

■ 12.5471, 15.5949,  
15.4263

■ 78.9977, 91.0689,  
94.0481

■ 7.1923, 9.2379,  
8.9692

■ 102.7806,  
117.5923, 121.9695

■ 3.6300, 4.8967,  
4.6246

130.9136,  
148.8222, 154.9332

■ 1.4950, 2.1868,  
1.9739

163.7620,  
185.1430, 193.3576

■ 0.3225, 0.7128,  
0.5391

201.6912,

■ 0.0000, 0.0000,

226.9390, 237.6614

0.0000

245.0666,  
274.5947, 288.2631

■ 30.0960, 35.8934,  
36.3522

■ 30.0960, 35.8934,  
36.3522

■ 27.0221, 34.3754,  
33.2451

■ 33.6372, 37.6505,  
39.6586

■ 24.3918, 33.0811,  
30.3309

■ 37.6623, 39.6520,  
43.1656

■ 22.1833, 32.0006,  
27.6065

■ 42.1907, 41.9090,  
46.8778

■ 20.3723, 31.1213,  
25.0675

■ 47.2398, 44.4303,  
50.7986

■ 18.9313, 30.4292,  
22.7095

■ 52.8260, 47.2245,  
54.9315

■ 17.8295, 29.9083,  
20.5278

■ 58.9653, 50.2995,  
59.2798

■ 17.0307, 29.5402,  
18.5173

■ 65.6727, 53.6632,  
63.8469

■ 16.4603, 29.2860,  
16.6918

■ 67.1463, 54.3244,  
68.3637

■ 68.0363, 54.6803,  
73.0503

# Harmonies

## Analogous

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



31.0715, 35.8934, 31.2527



30.0960, 35.8934, 36.3522



30.1633, 35.8934, 42.7689

# Triad

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



30.0960, 35.8934, 36.3522



35.3798, 35.8934, 52.0933



37.1406, 35.8934, 30.7626

# Complementary

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



30.0960, 35.8934, 36.3522



30.4522, 27.9337, 32.2220

# 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.



38.3989, 35.8934, 35.6130



30.0960, 35.8934, 36.3522



37.3523, 35.8934, 48.1201

# Square

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



30.0960, 35.8934, 36.3522



33.1487, 35.8934, 52.3472



38.4781, 35.8934, 41.9448



35.1011, 35.8934, 28.2713



# Rectangle

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



30.0960, 35.8934, 36.3522



30.7897, 35.8934, 46.9502



38.4781, 35.8934, 41.9448



37.6728, 35.8934, 32.1456

# Sweetspot

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



30.0970, 35.8949, 36.3530



63.0254, 68.8108, 73.4990



30.9872, 36.5321, 28.3403



13.6419, 14.9506, 15.9362



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



30.0970, 35.8949, 36.3530



51.4261, 63.0591, 62.6612



30.8208, 35.3500, 42.7367



7.6149, 8.4790, 8.9580



12.2943, 21.8365, 12.5824



0.3236, 0.5411, 0.4352



# Inverse Universe

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



30.4522, 27.9337, 32.2220



52.1758, 46.2682, 53.9513



29.8010, 28.3143, 26.8166



7.6544, 7.5916, 8.4973



13.0344, 6.6225, 4.9929



0.3427, 0.1714, 0.2563



# Previews

## White Background



This preview shows how the XYZ color 30.0960, 35.8934, 36.3522 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 30.0960, 35.8934, 36.3522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

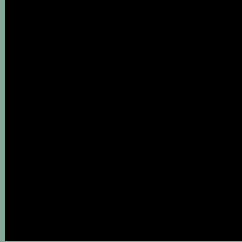
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 30.0960, 35.8934, 36.3522

## Background



This preview shows how black text looks on a background with the XYZ color 30.0960, 35.8934, 36.3522.



This preview shows how white text looks on a background with the XYZ color 30.0960, 35.8934,



# 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

30.0960, 35.8934, 36.3522

### Protanopia

34.1862, 35.9072, 33.9831

### Deuteranopia

36.4201, 35.7105, 37.3210



## Tritanopia

32.4204, 36.0161, 47.8909

# Trichromacy



## Original Color

30.0960, 35.8934, 36.3522

## Protanomaly

32.4605, 35.7865, 34.9024

## Deuteranomaly

33.7310, 35.6054, 36.9930

## Tritanomaly

31.5556, 35.9430, 43.3047

# Monochromacy



## Original Color

30.0960, 35.8934, 36.3522

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

31.1400, 34.2796, 36.4279

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0960, 35.8934, 36.3522 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(135, 169, 155)` looks like.

```
.text, #text, p{  
    color:rgb(135, 169, 155)  
}
```

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(135, 169, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 169, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0960, 35.8934, 36.3522 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(135, 169, 155) }
```



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

```
.border{ border-color:rgb(135, 169, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 169, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 169, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 169, 155);  
box-shadow:4px 4px 4px 4px rgb(135, 169,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.0960, 35.8934, 36.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 169, 155) }
```

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

```
.background{ background-color: rgb(135,  
169, 155) }
```

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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