

Converting Colors

XYZ(31.0336, 36.1497, 37.9050)

Have a look what the booklet for
XYZ(31.0336, 36.1497, 37.9050)
contains.

XYZ(30.9894, 36.0493, 37.6727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.9894, 36.0493,
37.6727)**

Conversions

Conversions Part 1

Format	Color
Hex	8CA89E
RGB	140, 168, 158
RGB Percent	55%, 66%, 62%
CMY	0.4510, 0.3412, 0.3804
CMYK	0.17, 0.00, 0.06, 0.34
HSL	159°, 14%, 60%
HSV	159°, 17%, 66%
XYZ	30.9894, 36.0493, 37.6727
YIQ	158.4880, -13.4780, -9.0460

Conversions

Conversions Part 2

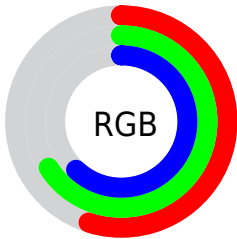
Format	Color
RYB	140, 157, 168
Decimal	9218206
CIELab	66.56, -11.72, 1.93
CIELCh	67, 11.876, 170.624
Yxy	36.0493, 0.2960, 0.3443
Android (android.graphics.Color)	4287408286 (0xFF8CA89E)
YUV	158.4880, -0.2406, -16.2140
Hunter-Lab	60.0411, -12.9415, 4.8273

Details

The XYZ color **30.9894, 36.0493, 37.6727** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.0328, 29.2839, 32.8724**, and the grayscale version is **32.7273, 34.4317, 37.4961**.

A 20% lighter version of the original color is **60.6461, 69.0488, 73.0822**, and **13.0191, 15.6762, 16.2495** is the 20% darker color. If you saturate the color by 10%, you get **27.8680, 34.4994, 34.8962**, and if you desaturate by 10%, it is **34.5703, 37.8352, 40.6039**.

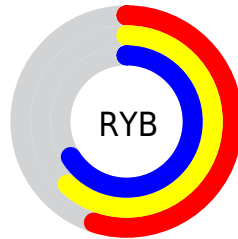
Distribution



Red (55%)

Green (66%)

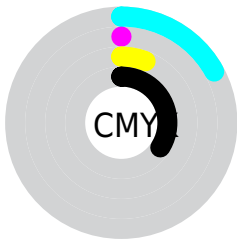
Blue (62%)



Red (55%)

Yellow (62%)

Blue (66%)

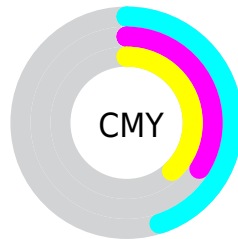


Cyan (17%)

Magenta (0%)

Yellow (6%)

Black (34%)



Cyan (45%)

Magenta (34%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9894, 36.0493, 37.6727 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 30.9894, 36.0493, 37.6727 by changing the saturation by 10% instead.

■ 30.9894, 36.0493,
37.6727

■ 30.9894, 36.0493,
37.6727

298.3172,
329.1760, 351.4698

■ 20.7426, 24.4723,
25.4289

■ 60.5993, 69.1082,
72.8040

■ 13.0473, 15.6843,
16.1750

■ 80.6931, 91.3588,
96.5287

■ 7.5384, 9.3011,
9.4924

■ 104.8000,
117.9360, 124.9173

■ 3.8503, 4.9381,
4.9625

133.2852,
149.2244, 158.3885

■ 1.6178, 2.2110,
2.1669

166.5142,
185.6081, 197.3609

■ 0.4040, 0.7260,
0.6552

204.8523,

■ 0.0000, 0.0000,

227.4717, 242.2528

0.0000

248.6649,
275.1995, 293.4830

■ 30.9894, 36.0493,
37.6727

■ 30.9894, 36.0493,
37.6727

■ 27.8680, 34.4994,
34.8962

■ 34.5703, 37.8352,
40.6039

■ 25.1831, 33.1707,
32.2692

■ 38.6263, 39.8620,
43.6902

■ 22.9145, 32.0536,
29.7896

■ 43.1761, 42.1404,
46.9348

■ 21.0387, 31.1364,
27.4544

■ 48.2362, 44.6788,
50.3404

■ 19.5302, 30.4057,
25.2604

■ 53.8225, 47.4855,
53.9093

■ 18.3601, 29.8468,
23.2042

■ 59.9503, 50.5681,
57.6441

■ 17.4951, 29.4425,
21.2822

■ 65.6696, 53.4371,
61.5018

■ 16.8875, 29.1683,
19.4900

■ 66.3850, 53.7232,
65.2691

■ 16.7097, 29.0891,
18.9197

■ 67.1282, 54.0205,
69.1830

Harmonies

Analogous

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



31.6799, 36.0493, 33.3429



30.9894, 36.0493, 37.6727



31.1524, 36.0493, 42.8148

Triad

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



30.9894, 36.0493, 37.6727



35.4864, 36.0493, 49.1831



36.4865, 36.0493, 32.1365

Complementary

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



30.9894, 36.0493, 37.6727



31.0328, 29.2839, 32.8724

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.



37.5757, 36.0493, 35.8917



30.9894, 36.0493, 37.6727



36.9845, 36.0493, 45.8200

Square

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



30.9894, 36.0493, 37.6727



33.7080, 36.0493, 49.7646



37.7610, 36.0493, 40.8739



34.8257, 36.0493, 30.3343

Rectangle

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



30.9894, 36.0493, 37.6727



31.7255, 36.0493, 46.0020



37.7610, 36.0493, 40.8739



36.9340, 36.0493, 33.1961

Sweetspot

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



30.9904, 36.0508, 37.6735



63.8317, 69.2043, 74.5420



31.3642, 36.4096, 30.1862



13.8096, 15.0321, 16.1665



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.



30.9904, 36.0508, 37.6735



54.0431, 64.3267, 66.4645



31.2075, 35.0505, 42.1681



7.6321, 8.4859, 9.0487



12.6430, 21.9760, 14.4189



0.3307, 0.5439, 0.4722

Inverse Universe

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



31.0328, 29.2839, 32.8724



54.1352, 49.7044, 56.0924



30.8161, 30.0851, 28.9943



7.6377, 7.5849, 8.4093



12.8333, 6.5420, 3.9339



0.3366, 0.1689, 0.2241

Previews

White Background



This preview shows how the XYZ color 30.9894, 36.0493, 37.6727 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 30.9894, 36.0493, 37.6727 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

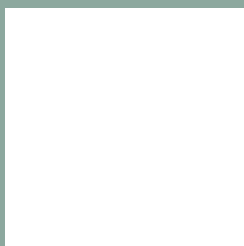
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9894, 36.0493, 37.6727

Background



This preview shows how black text looks on a background with the XYZ color 30.9894, 36.0493, 37.6727.



This preview shows how white text looks on a background with the XYZ color 30.9894, 36.0493,

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

30.9894, 36.0493, 37.6727

Protanopia

34.3035, 35.9298, 35.6990

Deuteranopia

36.3651, 35.6621, 38.2245



Tritanopia

32.9926, 36.0539, 47.3397

Trichromacy



Original Color

30.9894, 36.0493, 37.6727

Protanomaly

33.0965, 36.0856, 36.2312

Deuteranomaly

34.1387, 35.5373, 37.8610

Tritanomaly

32.3146, 36.0524, 43.7837

Monochromacy



Original Color

30.9894, 36.0493, 37.6727

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.8544, 34.8886, 37.4030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9894, 36.0493, 37.6727 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(140, 168, 158)` looks like.

```
.text, #text, p{  
    color:rgb(140, 168, 158)  
}
```

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(140, 168, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 168, 158) }
```

Border

The CSS property to change the border of an element to XYZ 30.9894, 36.0493, 37.6727 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(140, 168, 158) }
```


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

```
.border{ border-color:rgb(140, 168, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 168, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 168, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 168, 158);  
box-shadow:4px 4px 4px 4px rgb(140, 168,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9894, 36.0493, 37.6727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 168, 158) }
```

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

```
.background{ background-color: rgb(140,  
168, 158) }
```

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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