

Converting Colors

XYZ(31.6760, 40.4729, 37.5057)

Have a look what the booklet for
XYZ(31.6760, 40.4729, 37.5057)
contains.

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Color

**XYZ(31.6308, 40.4454,
37.5921)**

Conversions

Conversions Part 1

Format	Color
Hex	80B69C
RGB	128, 182, 156
RGB Percent	50%, 71%, 61%
CMY	0.4980, 0.2863, 0.3882
CMYK	0.30, 0.00, 0.14, 0.29
HSL	151°, 27%, 61%
HSV	151°, 30%, 71%
XYZ	31.6308, 40.4454, 37.5921
YIQ	162.8900, -23.8380, -19.5340

Conversions

Conversions Part 2

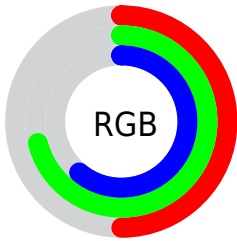
Format	Color
RYB	128, 164, 182
Decimal	8435356
CIELab	69.79, -23.27, 7.60
CIELCh	70, 24.483, 161.914
Yxy	40.4454, 0.2884, 0.3688
Android (android.graphics.Color)	4286625436 (0xFF80B69C)
YUV	162.8900, -3.3968, -30.5985
Hunter-Lab	63.5967, -22.5145, 9.4713

Details

The XYZ color **31.6308, 40.4454, 37.5921** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8447, 27.7175, 34.1925**, and the grayscale version is **34.7853, 36.5969, 39.8540**.

A 20% lighter version of the original color is **61.4988, 75.7473, 72.3521**, and **13.4606, 18.2982, 16.1871** is the 20% darker color. If you saturate the color by 10%, you get **28.4196, 38.8737, 33.7072**, and if you desaturate by 10%, it is **35.3889, 42.2950, 41.7838**.

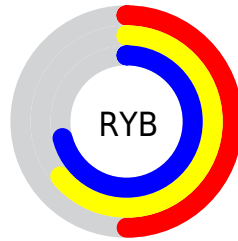
Distribution



Red (50%)

Green (71%)

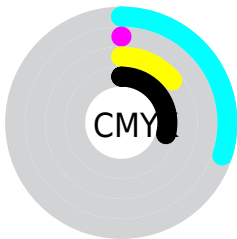
Blue (61%)



Red (50%)

Yellow (64%)

Blue (71%)

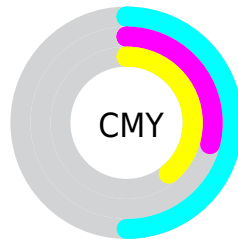


Cyan (30%)

Magenta (0%)

Yellow (14%)

Black (29%)



Cyan (50%)


Magenta (29%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6308, 40.4454, 37.5921 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 31.6308, 40.4454, 37.5921 by changing the saturation by 10% instead.


 31.6308, 40.4454,
37.5921


 31.6308, 40.4454,
37.5921


301.2092,
347.9973, 351.1125


 21.2338, 27.8860,
25.3669


 61.6010, 75.8413,
72.6790

 13.4085, 18.2397,
16.1291


 81.9049, 99.4465,
96.3777

 7.7894, 11.1222,
9.4602


 106.2418,
127.5025, 124.7381

 4.0111, 6.1491,
4.9417

134.9771,
160.3936, 158.1785

 1.7084, 2.9360,
2.1549

168.4761,
198.5043, 197.1177

 0.4615, 1.0984,
0.6482

207.1043,

 0.0000, 0.0000,

242.2188, 241.9740

0.0000

251.2269,
291.9217, 293.1661

■ 31.6308, 40.4454,
37.5921

■ 31.6308, 40.4454,
37.5921

■ 28.4196, 38.8737,
33.7072

■ 35.3889, 42.2950,
41.7838

■ 25.7244, 37.5610,
30.1194

■ 39.7158, 44.4304,
46.2865

■ 23.5167, 36.4935,
26.8219

■ 44.6365, 46.8655,
51.1078

■ 21.7632, 35.6545,
23.8071

■ 50.1733, 49.6117,
56.2540

■ 20.4265, 35.0247,
21.0667

■ 56.3474, 52.6797,
61.7313

■ 19.4627, 34.5816,
18.5919

■ 63.1789, 56.0799,
67.5458

■ 18.7862, 34.2812,
16.3716

■ 70.5382, 59.7452,
73.6964

■ 18.7656, 34.2722,
16.3026

■ 71.7113, 60.2144,
79.8736

■ 72.9458, 60.7082,
86.3748

Harmonies

Analogous

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



33.5635, 40.4454, 29.6869



31.6308, 40.4454, 37.5921



31.4443, 40.4454, 48.7088

Triad

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



31.6308, 40.4454, 37.5921



40.0402, 40.4454, 69.0884



44.4089, 40.4454, 30.9854

Complementary

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



31.6308, 40.4454, 37.5921



32.8447, 27.7175, 34.1925

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.



46.4080, 40.4454, 39.6760



31.6308, 40.4454, 37.5921



43.7720, 40.4454, 62.3984

Square

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



31.6308, 40.4454, 37.5921



36.1200, 40.4454, 68.2688



46.1672, 40.4454, 51.1820



40.8617, 40.4454, 26.3495

Rectangle

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



31.6308, 40.4454, 37.5921



32.3179, 40.4454, 56.6401



46.1672, 40.4454, 51.1820



45.2949, 40.4454, 33.4595

Sweetspot

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



31.6319, 40.4471, 37.5930



72.4370, 80.7638, 84.3523



33.9711, 41.8961, 26.7190



15.7308, 17.7057, 18.3598



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



31.6319, 40.4471, 37.5930



53.2032, 71.2965, 63.2071



33.8912, 41.0568, 50.3964



9.0795, 10.1358, 10.5763



13.2853, 24.2151, 11.6901



0.4994, 0.8661, 0.5759

Inverse Universe

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



32.8447, 27.7175, 34.1925



55.7798, 44.2593, 55.9873



31.0260, 27.1787, 24.0334



9.1799, 9.0823, 10.2947



14.8899, 7.5297, 7.3069



0.5562, 0.2780, 0.4224

Previews

White Background



This preview shows how the XYZ color 31.6308, 40.4454, 37.5921 looks on a white background.

Color Contrast Check

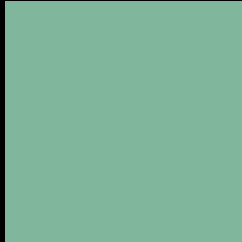
Large Text (above 18pt) WCAG AA × Fail

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 31.6308, 40.4454, 37.5921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

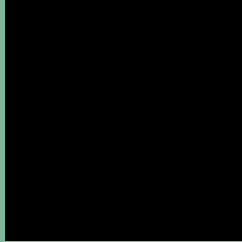
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6308, 40.4454, 37.5921

Background



This preview shows how black text looks on a background with the XYZ color 31.6308, 40.4454, 37.5921.



This preview shows how white text looks on a background with the XYZ color 31.6308, 40.4454,

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

31.6308, 40.4454, 37.5921

Protanopia

37.9729, 40.0108, 34.1552

Deuteranopia

40.8558, 40.0361, 38.8321



Tritanopia

35.1178, 40.3568, 55.2289

Trichromacy



Original Color

31.6308, 40.4454, 37.5921

Protanomaly

35.3008, 40.0127, 35.5684

Deuteranomaly

36.7573, 39.8445, 38.5543

Tritanomaly

33.6717, 40.3601, 48.1351

Monochromacy



Original Color

31.6308, 40.4454, 37.5921

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.2976, 37.7715, 38.7934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6308, 40.4454, 37.5921 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, 182, 156)` looks like.

```
.text, #text, p{  
    color:rgb(128, 182, 156)  
}
```

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, 182, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 182, 156) }
```

Border

The CSS property to change the border of an element to XYZ 31.6308, 40.4454, 37.5921 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, 182, 156) }
```


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

```
.border{ border-color:rgb(128, 182, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 182, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 182, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 182, 156);  
box-shadow:4px 4px 4px 4px rgb(128, 182,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6308, 40.4454, 37.5921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 182, 156) }
```

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

```
.background{ background-color: rgb(128,  
182, 156) }
```

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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