

Converting Colors

XYZ(31.7725, 43.2011, 35.9851)

Have a look what the booklet for
XYZ(31.7725, 43.2011, 35.9851)
contains.

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Color

**XYZ(31.6071, 42.9832,
35.9089)**

Conversions

Conversions Part 1

Format	Color
Hex	77BE97
RGB	119, 190, 151
RGB Percent	47%, 75%, 59%
CMY	0.5333, 0.2549, 0.4078
CMYK	0.37, 0.00, 0.21, 0.25
HSL	147°, 35%, 61%
HSV	147°, 37%, 75%
XYZ	31.6071, 42.9832, 35.9089
YIQ	164.3250, -29.7970, -27.1810

Conversions

Conversions Part 2

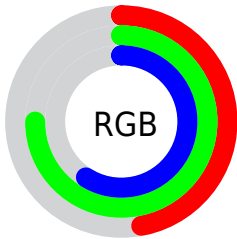
Format	Color
RYB	119, 168, 190
Decimal	7847575
CIELab	71.54, -30.94, 12.76
CIELCh	72, 33.464, 157.590
Yxy	42.9832, 0.2860, 0.3890
Android (android.graphics.Color)	4286037655 (0xFF77BE97)
YUV	164.3250, -6.5692, -39.7500
Hunter-Lab	65.5616, -28.6783, 13.4192

Details

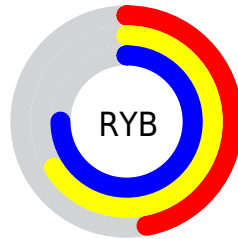
The XYZ color **31.6071, 42.9832, 35.9089** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.0050, 26.6104, 35.6934**, and the grayscale version is **35.4828, 37.3307, 40.6531**.

A 20% lighter version of the original color is **61.7358, 79.9280, 69.9314**, and **13.3512, 19.6867, 15.1528** is the 20% darker color. If you saturate the color by 10%, you get **28.4453, 41.4480, 31.5308**, and if you desaturate by 10%, it is **35.3676, 44.8207, 40.7086**.

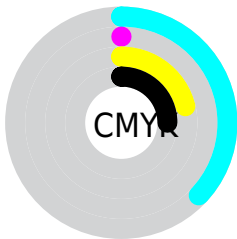
Distribution



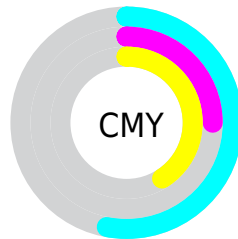
- Red (47%)
- Green (75%)
- Blue (59%)



- Red (47%)
- Yellow (66%)
- Blue (75%)



- Cyan (37%)
- Magenta (0%)
- Yellow (21%)
- Black (25%)



- Cyan (53%)
- Magenta (25%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6071, 42.9832, 35.9089 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 31.6071, 42.9832, 35.9089 by changing the saturation by 10% instead.

■ 31.6071, 42.9832,
35.9089

■ 31.6071, 42.9832,
35.9089

301.1027,
358.5427, 343.5875

■ 21.2157, 29.8719,
24.0747

■ 61.5640, 79.6855,
70.0589

■ 13.3951, 19.7414,
15.1763

■ 81.8602, 104.0453,
93.2118

■ 7.7800, 12.2072,
8.7952

■ 106.1886,
132.9235, 120.9746

■ 4.0051, 6.8850,
4.5129

134.9147,
166.7043, 153.7660

■ 1.7050, 3.3903,
1.9107

168.4039,
205.7723, 192.0045

■ 0.4594, 1.3387,
0.4995

207.0213,

■ 0.0000, 0.1709,

250.5117, 236.1085

0.0000

251.1325,
301.3071, 286.4967

■ 0.0000, 0.0000,
0.0000

■ 31.6071, 42.9832,
35.9089

■ 31.6071, 42.9832,
35.9089

■ 28.4453, 41.4480,
31.5308

■ 35.3676, 44.8207,
40.7086

■ 25.8455, 40.1930,
27.5599

■ 39.7538, 46.9706,
45.9382

■ 23.7723, 39.2012,
23.9847


■ 44.7952, 49.4493,
51.6094


■ 22.1845, 38.4517,
20.7923


■ 50.5185, 52.2701,
57.7324


■ 21.0343, 37.9200,
17.9691


■ 56.9486, 55.4459,
64.3174


 20.2540, 37.5716,
15.4997

 64.1094, 58.9886,
71.3738

 20.0792, 37.4945,
14.9057

 72.0234, 62.9098,
78.9111

 74.5772, 64.0577,
86.6513

 76.1258, 64.6771,
94.8059

Harmonies

Analogous

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



34.5761, 42.9832, 26.2147



31.6071, 42.9832, 35.9089



30.9995, 42.9832, 51.0346

Triad

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



31.6071, 42.9832, 35.9089



42.3068, 42.9832, 84.9355



50.0865, 42.9832, 30.2649

Complementary

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



31.6071, 42.9832, 35.9089



34.0050, 26.6104, 35.6934

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.



52.6032, 42.9832, 42.8090



31.6071, 42.9832, 35.9089



47.8498, 42.9832, 76.0550

Square

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



31.6071, 42.9832, 35.9089



36.8490, 42.9832, 81.8810



51.7491, 42.9832, 59.7000



45.1396, 42.9832, 23.5189

Rectangle

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



31.6071, 42.9832, 35.9089



31.9583, 42.9832, 62.7496



51.7491, 42.9832, 59.7000



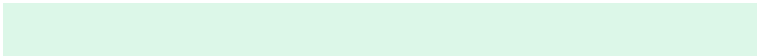
51.2645, 42.9832, 33.8140

Sweetspot

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



31.6083, 42.9850, 35.9099



77.5489, 87.8227, 89.5095



35.8550, 45.4349, 24.3333



16.7519, 19.1488, 19.3445



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.6083, 42.9850, 35.9099



52.4132, 75.5276, 58.3862



34.9334, 44.3150, 53.4201



9.5827, 10.7192, 11.0520



13.3894, 24.9461, 10.1135



0.5575, 0.9904, 0.5698

Inverse Universe

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



34.0050, 26.6104, 35.6934



57.3907, 41.4978, 57.9193



31.3803, 25.5605, 21.8718



9.7435, 9.6217, 11.0383



15.8342, 7.9648, 9.6866



0.6528, 0.3250, 0.5508

Previews

White Background



This preview shows how the XYZ color 31.6071, 42.9832, 35.9089 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 31.6071, 42.9832, 35.9089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

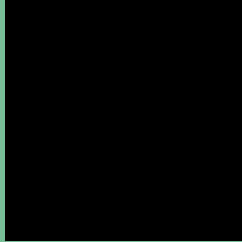
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6071, 42.9832, 35.9089

Background



This preview shows how black text looks on a background with the XYZ color 31.6071, 42.9832, 35.9089.

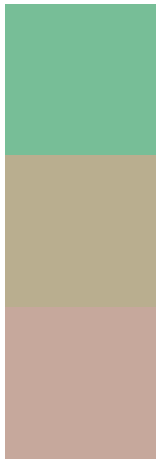


This preview shows how white text looks on a background with the XYZ color 31.6071, 42.9832,

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

31.6071, 42.9832, 35.9089

Protanopia

40.1016, 42.5696, 32.0898

Deuteranopia

43.2921, 42.4113, 37.3570



Tritanopia

36.5395, 43.1040, 59.8202

Trichromacy



Original Color

31.6071, 42.9832, 35.9089

Protanomaly

36.2075, 42.2949, 33.4495

Deuteranomaly

37.7203, 41.8188, 36.6556

Tritanomaly

34.5036, 42.8896, 50.1761

Monochromacy



Original Color

31.6071, 42.9832, 35.9089

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.4143, 38.6862, 38.5070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6071, 42.9832, 35.9089 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(119, 190, 151)` looks like.

```
.text, #text, p{  
    color:rgb(119, 190, 151)  
}
```

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(119, 190, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 190, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.6071, 42.9832, 35.9089 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(119, 190, 151) }
```


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

```
.border{ border-color:rgb(119, 190, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 190, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 190, 151); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 190, 151); box-shadow:4px 4px 4px 4px rgb(119, 190, 151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6071, 42.9832, 35.9089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 190, 151) }
```

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

```
.background{ background-color: rgb(119,  
190, 151) }
```

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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