

Converting Colors

XYZ(31.6435, 35.4792, 6.4321)

Have a look what the booklet for
XYZ(31.6435, 35.4792, 6.4321)
contains.

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Color

**XYZ(31.5148, 35.3994,
6.4001)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A21E
RGB	178, 162, 30
RGB Percent	70%, 64%, 12%
CMY	0.3020, 0.3647, 0.8823
CMYK	0.00, 0.09, 0.83, 0.30
HSL	54°, 71%, 41%
HSV	54°, 83%, 70%
XYZ	31.5148, 35.3994, 6.4001
YIQ	151.7360, 51.9080, -37.6600

Conversions

Conversions Part 2

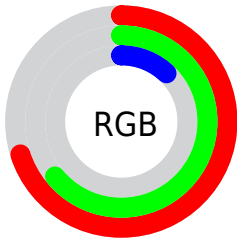
Format	Color
R_{YB}	48, 178, 30
Decimal	11706910
CIE _{Lab}	66.06, -7.63, 63.72
CIE _{LCh}	66, 64.173, 96.830
Yxy	35.3994, 0.4299, 0.4828
Android (android.graphics.Color)	4289896990 (0xFFB2A21E)
YUV	151.7360, -60.0158, 23.0335
Hunter-Lab	59.4974, -9.5719, 35.2704

Details

The XYZ color **31.5148, 35.3994, 6.4001** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.5485, 5.4446, 42.6668**, and the grayscale version is **29.9671, 31.5277, 34.3337**.

A 20% lighter version of the original color is **61.4994, 68.3348, 19.1811**, and **13.5696, 15.4338, 2.2638** is the 20% darker color. If you saturate the color by 10%, you get **31.0125, 34.6617, 5.4104**, and if you desaturate by 10%, it is **32.1522, 36.2021, 8.0686**.

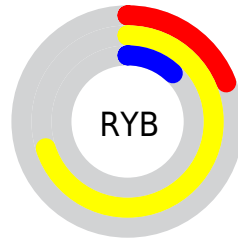
Distribution



Red (70%)

Green (64%)

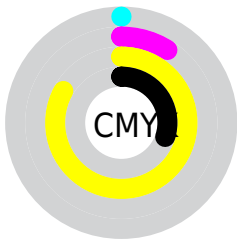
Blue (12%)



Red (19%)

Yellow (70%)

Blue (12%)

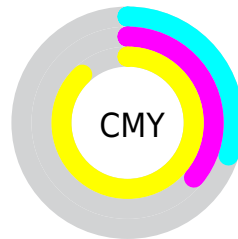


Cyan (0%)

Magenta (9%)

Yellow (83%)

Black (30%)



Cyan (30%)


Magenta (36%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.5148, 35.3994, 6.4001 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 31.5148, 35.3994, 6.4001 by changing the saturation by 10% instead.


 31.5148, 35.3994,
6.4001


 31.5148, 35.3994,
6.4001


300.6877,
326.3278, 172.0188


 21.1449, 23.9707,
3.0172


 61.4200, 68.1040,
19.2477


 13.3430, 15.3119,
1.1034


 81.6861, 90.1488,
29.5494


 7.7438, 9.0386,
0.0000


 105.9815,
116.5010, 42.9945

 3.9819, 4.7663,
0.0000

 134.6718,
147.5450, 60.0014

 1.6919, 2.1108,
0.0000

 168.1222,
183.6653, 80.9888

 0.4512, 0.6707,
0.0000

 206.6981,

 0.0000, 0.0000,

225.2463, 106.3751

0.0000

250.7648,
272.6723, 136.5789

■ 31.5148, 35.3994,
6.4001

■ 31.5148, 35.3994,
6.4001

■ 31.0125, 34.6617,
5.4104

■ 32.1522, 36.2021,
8.0686

■ 30.7172, 34.1794,
4.9783

■ 32.9412, 37.0725,
10.5132

■ 33.8984, 38.0184,
13.8179

■ 35.0376, 39.0456,
18.0550

■ 36.3712, 40.1590,
23.2894

■ 37.9102, 41.3631,
29.5801

■ 39.6652, 42.6620,
36.9814

■ 41.6458, 44.0597,
45.5442

■ 43.8609, 45.5598,
55.3158

Harmonies

Analogous

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



41.3783, 35.3994, 7.6379



31.5148, 35.3994, 6.4001



23.8188, 35.3994, 9.9601

Triad

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



31.5148, 35.3994, 6.4001



21.0133, 35.3994, 79.3069



53.4468, 35.3994, 63.0822

Complementary

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



31.5148, 35.3994, 6.4001



9.5485, 5.4446, 42.6668

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.



45.8612, 35.3994, 97.6101



31.5148, 35.3994, 6.4001



26.9426, 35.3994, 109.6634

Square

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



31.5148, 35.3994, 6.4001



18.5415, 35.3994, 45.1238



35.8713, 35.3994, 117.5940



55.3019, 35.3994, 32.6369

Rectangle

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



31.5148, 35.3994, 6.4001



20.5270, 35.3994, 16.3804



35.8713, 35.3994, 117.5940



51.4212, 35.3994, 74.9501

Sweetspot

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



31.5156, 35.4011, 6.4008



68.0752, 74.4949, 50.8546



19.3430, 10.6013, 3.7450



14.8644, 16.3350, 10.3741



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.5156, 35.4011, 6.4008



55.6007, 61.7757, 8.9934



24.0776, 36.0188, 6.9121



9.1171, 9.7466, 9.0533



22.0066, 24.5117, 3.5714



0.7147, 0.8158, 0.1198

Inverse Universe

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



9.5485, 5.4446, 42.6668



14.9219, 6.5277, 76.8547



12.4063, 6.1569, 42.6537



8.1135, 8.3731, 10.6949



5.9431, 2.6866, 30.3423



0.2108, 0.1322, 0.9626

Previews

White Background



This preview shows how the XYZ color 31.5148, 35.3994, 6.4001 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 31.5148, 35.3994, 6.4001 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 31.5148, 35.3994, 6.4001

Background



This preview shows how black text looks on a background with the XYZ color 31.5148, 35.3994, 6.4001.



This preview shows how white text looks on a background with the XYZ color 31.5148, 35.3994,

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

31.5148, 35.3994, 6.4001

Protanopia

32.0353, 35.4072, 6.3741

Deuteranopia

35.9038, 35.1404, 6.5595



Tritanopia

38.1710, 35.3424, 39.4603

Trichromacy



Original Color

31.5148, 35.3994, 6.4001

Protanomaly

31.8016, 35.2868, 6.3632

Deuteranomaly

34.1695, 35.2299, 6.5125

Tritanomaly

34.5830, 34.8708, 21.1277

Monochromacy



Original Color

31.5148, 35.3994, 6.4001

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.2932, 32.4367, 18.9044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5148, 35.3994, 6.4001 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(178, 162, 30)` looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 30)  
}
```

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(178, 162, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 30) }
```

Border

The CSS property to change the border of an element to XYZ 31.5148, 35.3994, 6.4001 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(178, 162, 30) }
```


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

```
.border{ border-color:rgb(178, 162, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 30);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5148, 35.3994, 6.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 30) }
```

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

```
.background{ background-color: rgb(178,  
162, 30) }
```

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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