

Converting Colors

XYZ(31.1646, 34.4663, 6.4593)

Have a look what the booklet for
XYZ(31.1646, 34.4663, 6.4593)
contains.

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Color

**XYZ(31.0327, 34.3711,
6.4375)**

Conversions

Conversions Part 1

Format	Color
Hex	B29F21
RGB	178, 159, 33
RGB Percent	70%, 62%, 13%
CMY	0.3020, 0.3765, 0.8706
CMYK	0.00, 0.11, 0.81, 0.30
HSL	52°, 69%, 41%
HSV	52°, 81%, 70%
XYZ	31.0327, 34.3711, 6.4375
YIQ	150.3170, 51.7700, -35.1580

Conversions

Conversions Part 2

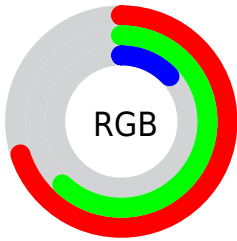
Format	Color
RYB	55, 178, 33
Decimal	11706145
CIELab	65.26, -5.95, 62.18
CIELCh	65, 62.466, 95.463
Yxy	34.3711, 0.4320, 0.4784
Android (android.graphics.Color)	4289896225 (0xFFB29F21)
YUV	150.3170, -57.8373, 24.2780
Hunter-Lab	58.6269, -8.1124, 34.5285

Details

The XYZ color **31.0327, 34.3711, 6.4375** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.8911, 5.9936, 42.7545**, and the grayscale version is **29.3480, 30.8764, 33.6244**.

A 20% lighter version of the original color is **60.5648, 66.3312, 19.2840**, and **13.2477, 14.7901, 2.1565** is the 20% darker color. If you saturate the color by 10%, you get **30.4494, 33.5035, 5.3216**, and if you desaturate by 10%, it is **31.7569, 35.3098, 8.2512**.

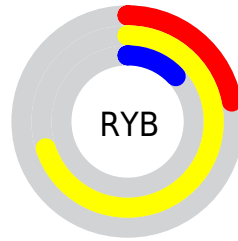
Distribution



Red (70%)

Green (62%)

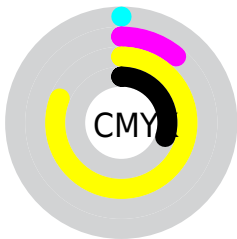
Blue (13%)



Red (22%)

Yellow (70%)

Blue (13%)

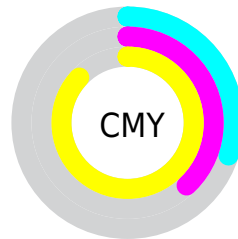


Cyan (0%)

Magenta (11%)

Yellow (81%)

Black (30%)



Cyan (30%)


Magenta (38%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0327, 34.3711, 6.4375 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 31.0327, 34.3711, 6.4375 by changing the saturation by 10% instead.


 31.0327, 34.3711,
6.4375


 31.0327, 34.3711,
6.4375

298.5131,
321.7836, 172.3539

 20.7757, 23.1788,
3.0398


 60.6670, 66.5103,
19.3256

 13.0717, 14.7256,
1.1150


 80.7751, 88.2261,
29.6530

 7.5553, 8.6270,
0.0000


 104.8975,
114.2185, 43.1275

 3.8611, 4.4987,
0.0000

 133.3997,
144.8719, 60.1675

 1.6239, 1.9563,
0.0000

 166.6470,
180.5707, 81.1916

 0.4079, 0.5819,
0.0000

 205.0048,

 0.0000, 0.0000,

221.6994, 106.6184

0.0000

248.8384,
268.6422, 136.8663

■ 31.0327, 34.3711,
6.4375

■ 31.0327, 34.3711,
6.4375

■ 30.4494, 33.5035,
5.3216

■ 31.7569, 35.3098,
8.2512

■ 30.0283, 32.8017,
4.7487

■ 32.6381, 36.3221,
10.8568

■ 33.6922, 37.4159,
14.3361

■ 34.9330, 38.5966,
18.7600

■ 36.3725, 39.8691,
24.1924

■ 38.0218, 41.2380,
30.6912

■ 39.8912, 42.7074,
38.3104

■ 41.9902, 44.2812,
47.1000

■ 44.3277, 45.9631,
57.1071

Harmonies

Analogous

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



40.4786, 34.3711, 7.8588



31.0327, 34.3711, 6.4375



23.5406, 34.3711, 9.6657

Triad

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



31.0327, 34.3711, 6.4375



20.3997, 34.3711, 74.6293



51.2892, 34.3711, 62.3004

Complementary

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



31.0327, 34.3711, 6.4375



9.8911, 5.9936, 42.7545

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.



43.8955, 34.3711, 94.7980



31.0327, 34.3711, 6.4375



25.9341, 34.3711, 103.9326

Square

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



31.0327, 34.3711, 6.4375



18.1749, 34.3711, 42.3953



34.3612, 34.3711, 112.6482



53.3410, 34.3711, 32.8579

Rectangle

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



31.0327, 34.3711, 6.4375



20.2816, 34.3711, 15.6130



34.3612, 34.3711, 112.6482



49.2868, 34.3711, 73.5843

Sweetspot

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



31.0335, 34.3727, 6.4382



68.0258, 74.0307, 51.9643



19.5313, 10.8039, 4.3448



14.8365, 16.2071, 10.5873



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.



31.0335, 34.3727, 6.4382



54.5019, 59.5375, 8.7526



24.6281, 36.2978, 7.1474



9.1002, 9.7130, 9.0477



21.5186, 23.5357, 3.4087



0.7033, 0.7930, 0.1160

Inverse Universe

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



9.8911, 5.9936, 42.7545



15.2151, 7.0278, 76.9358



12.4332, 6.2888, 42.6775



8.1288, 8.4037, 10.7000



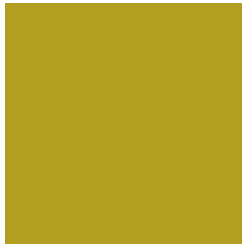
6.0007, 2.8017, 30.3615



0.2172, 0.1449, 0.9648

Previews

White Background



This preview shows how the XYZ color 31.0327, 34.3711, 6.4375 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 31.0327, 34.3711, 6.4375 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 31.0327, 34.3711, 6.4375

Background



This preview shows how black text looks on a background with the XYZ color 31.0327, 34.3711, 6.4375.



This preview shows how white text looks on a background with the XYZ color 31.0327, 34.3711,

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

31.0327, 34.3711, 6.4375

Protanopia

31.0327, 34.3711, 6.4375

Deuteranopia

34.8094, 34.0947, 6.5800



Tritanopia

37.4286, 34.2827, 37.9022

Trichromacy



Original Color

31.0327, 34.3711, 6.4375

Protanomaly

31.0327, 34.3711, 6.4375

Deuteranomaly

33.1955, 33.9862, 6.4795

Tritanomaly

34.0327, 33.8617, 20.6618

Monochromacy



Original Color

31.0327, 34.3711, 6.4375

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

28.5423, 31.3176, 18.4505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0327, 34.3711, 6.4375 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, 159, 33)` looks like.

```
.text, #text, p{  
    color:rgb(178, 159, 33)  
}
```

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, 159, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 159, 33) }
```

Border

The CSS property to change the border of an element to XYZ 31.0327, 34.3711, 6.4375 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, 159, 33) }
```


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

```
.border{ border-color:rgb(178, 159, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 159, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 159, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 159, 33);  
box-shadow:4px 4px 4px 4px rgb(178, 159,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0327, 34.3711, 6.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 159, 33) }
```

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

```
.background{ background-color: rgb(178,  
159, 33) }
```

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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