

Converting Colors

XYZ(24.1421, 31.9243, 6.4563)

Have a look what the booklet for
XYZ(24.1421, 31.9243, 6.4563)
contains.

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Color

**XYZ(24.0480, 31.8047,
6.4616)**

Conversions

Conversions Part 1

Format	Color
Hex	8BA323
RGB	139, 163, 35
RGB Percent	55%, 64%, 14%
CMY	0.4549, 0.3608, 0.8627
CMYK	0.15, 0.00, 0.79, 0.36
HSL	71°, 65%, 39%
HSV	71°, 79%, 64%
XYZ	24.0480, 31.8047, 6.4616
YIQ	141.2320, 26.7840, -44.8960

Conversions

Conversions Part 2

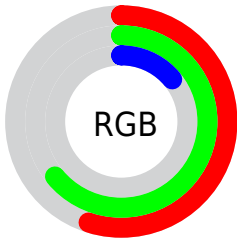
Format	Color
RYB	35, 163, 59
Decimal	9151267
CIELab	63.18, -25.06, 58.51
CIELCh	63, 63.648, 113.185
Yxy	31.8047, 0.3859, 0.5104
Android (android.graphics.Color)	4287341347 (0xFF8BA323)
YUV	141.2320, -52.3724, -1.9575
Hunter-Lab	56.3957, -22.5772, 32.6837

Details

The XYZ color **24.0480, 31.8047, 6.4616** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **9.0167, 4.7770, 35.0991**, and the grayscale version is **25.6014, 26.9346, 29.3318**.

A 20% lighter version of the original color is **49.4654, 62.5002, 19.3542**, and **9.4308, 13.3002, 2.0701** is the 20% darker color. If you saturate the color by 10%, you get **23.3569, 31.4713, 5.4465**, and if you desaturate by 10%, it is **24.8672, 32.1933, 8.0708**.

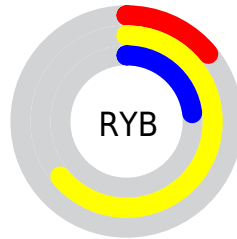
Distribution



Red (55%)

Green (64%)

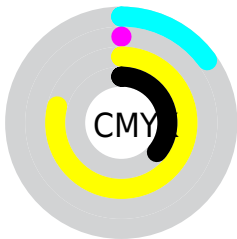
Blue (14%)



Red (14%)

Yellow (64%)

Blue (23%)

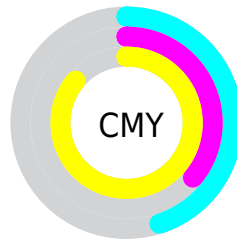


Cyan (15%)

Magenta (0%)

Yellow (79%)

Black (36%)



Cyan (45%)

Magenta (36%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0480, 31.8047, 6.4616 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 24.0480, 31.8047, 6.4616 by changing the saturation by 10% instead.

■ 24.0480, 31.8047,
6.4616

■ 24.0480, 31.8047,
6.4616

265.4990,
310.2286, 172.5694

■ 15.4942, 21.2124,
3.0544

■ 49.5626, 62.5048,
19.3757

■ 9.2555, 13.2793,
1.1225

■ 67.2541, 83.3813,
29.7197

■ 4.9666, 7.6212,
0.0000

■ 88.7222, 108.4548,
43.2131

■ 2.2623, 3.8535,
0.0000

■ 114.3322,
138.1094, 60.2744

■ 0.7752, 1.5920,
0.0000

■ 144.4496,
172.7298, 81.3221

■ 0.0000, 0.3522,
0.0000

■ 179.4396,

■ 0.0000, 0.0000,

212.7002, 106.7748

0.0000

219.6676,
258.4050, 137.0511

■ 24.0480, 31.8047,
6.4616

■ 24.0480, 31.8047,
6.4616

■ 23.3569, 31.4713,
5.4465

■ 24.8672, 32.1933,
8.0708

■ 22.7659, 31.1783,
4.8872

■ 25.8264, 32.6385,
10.3448

■ 22.6817, 31.1365,
4.8145

■ 26.9381, 33.1463,
13.3465

■ 28.2130, 33.7210,
17.1312

■ 29.6605, 34.3666,
21.7485

■ 31.2896, 35.0865,
27.2442

■ 33.1084, 35.8839,
33.6606

■ 35.1244, 36.7621,
41.0374

■ 37.3449, 37.7237,
49.4119

Harmonies

Analogous

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



32.2812, 31.8047, 5.3648



24.0480, 31.8047, 6.4616



18.6107, 31.8047, 12.9591

Triad

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



24.0480, 31.8047, 6.4616



21.1852, 31.8047, 89.6796



50.3237, 31.8047, 40.7017

Complementary

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



24.0480, 31.8047, 6.4616



9.0167, 4.7770, 35.0991

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.



45.8909, 31.8047, 72.5184



24.0480, 31.8047, 6.4616



28.2665, 31.8047, 108.4225

Square

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



24.0480, 31.8047, 6.4616



17.1957, 31.8047, 57.4130



37.3885, 31.8047, 100.9616



48.5933, 31.8047, 18.8470

Rectangle

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



24.0480, 31.8047, 6.4616



16.7583, 31.8047, 22.4229



37.3885, 31.8047, 100.9616



49.4806, 31.8047, 50.6166

Sweetspot

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



24.0487, 31.8061, 6.4623



54.2668, 62.0540, 42.7682



16.9455, 10.9823, 2.8172



11.9718, 13.8412, 8.8856



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



24.0487, 31.8061, 6.4623



41.0579, 55.9781, 9.0115



16.3454, 27.8349, 6.1018



7.5186, 8.1698, 7.5608



17.6625, 24.2159, 3.7432



0.4029, 0.5252, 0.0801

Inverse Universe

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



9.0167, 4.7770, 35.0991



13.2956, 5.6944, 62.4545



15.3054, 8.0190, 35.3934



6.8187, 6.9209, 8.8796



5.5967, 2.2917, 27.0771



0.1499, 0.0648, 0.5705

Previews

White Background



This preview shows how the XYZ color 24.0480, 31.8047, 6.4616 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 24.0480, 31.8047, 6.4616 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 24.0480, 31.8047, 6.4616

Background



This preview shows how black text looks on a background with the XYZ color 24.0480, 31.8047, 6.4616.



This preview shows how white text looks on a background with the XYZ color 24.0480, 31.8047,

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

24.0480, 31.8047, 6.4616

Protanopia

28.6652, 31.6574, 5.9662

Deuteranopia

32.0659, 31.5090, 6.7747



Tritanopia

30.6916, 31.7161, 39.6262

Trichromacy



Original Color

24.0480, 31.8047, 6.4616

Protanomaly

26.8287, 31.6973, 6.1430

Deuteranomaly

28.6417, 31.3872, 6.6466

Tritanomaly

27.1320, 31.2643, 21.4342

Monochromacy



Original Color

24.0480, 31.8047, 6.4616

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.9609, 28.0297, 16.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0480, 31.8047, 6.4616 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(139, 163, 35)` looks like.

```
.text, #text, p{  
    color:rgb(139, 163, 35)  
}
```

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(139, 163, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 163, 35) }
```

Border

The CSS property to change the border of an element to XYZ 24.0480, 31.8047, 6.4616 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(139, 163, 35) }
```


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

```
.border{ border-color:rgb(139, 163, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 163, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 163, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 163, 35);  
box-shadow:4px 4px 4px 4px rgb(139, 163,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0480, 31.8047, 6.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 163, 35) }
```

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

```
.background{ background-color: rgb(139,  
163, 35) }
```

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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