

Converting Colors

XYZ(31.1554, 31.2758, 6.4022)

Have a look what the booklet for
XYZ(31.1554, 31.2758, 6.4022)
contains.

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Color

**XYZ(31.1554, 31.2758,
6.4022)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9228
RGB	187, 146, 40
RGB Percent	73%, 57%, 16%
CMY	0.2667, 0.4274, 0.8431
CMYK	0.00, 0.22, 0.79, 0.27
HSL	43°, 65%, 45%
HSV	43°, 79%, 73%
XYZ	31.1554, 31.2758, 6.4022
YIQ	146.1750, 58.4620, -24.2740

Conversions

Conversions Part 2

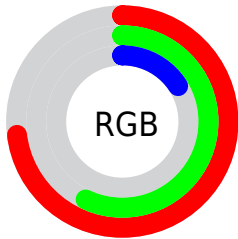
Format	Color
RYB	97, 187, 40
Decimal	12292648
CIELab	62.74, 5.35, 57.99
CIELCh	63, 58.233, 84.726
Yxy	31.2758, 0.4526, 0.4544
Android (android.graphics.Color)	4290482728 (0xFFBB9228)
YUV	146.1750, -52.3443, 35.8035
Hunter-Lab	55.9248, 1.5731, 32.3599

Details

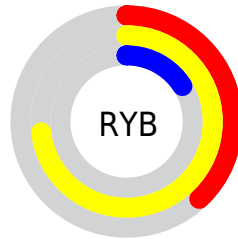
The XYZ color **31.1554, 31.2758, 6.4022** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **12.7870, 9.9235, 48.2548**, and the grayscale version is **27.5856, 29.0222, 31.6052**.

A 20% lighter version of the original color is **61.0324, 61.8909, 19.3191**, and **13.2361, 13.0329, 1.8180** is the 20% darker color. If you saturate the color by 10%, you get **30.1255, 29.6080, 4.8514**, and if you desaturate by 10%, it is **32.3772, 33.0816, 8.7764**.

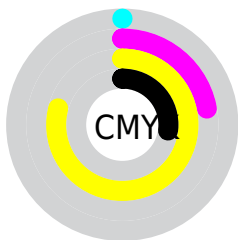
Distribution



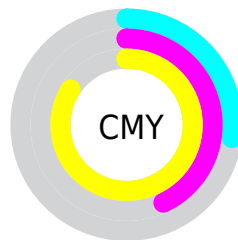
- Red (73%)
- Green (57%)
- Blue (16%)



- Red (38%)
- Yellow (73%)
- Blue (16%)



- Cyan (0%)
- Magenta (22%)
- Yellow (79%)
- Black (27%)





- Cyan (27%)
- Magenta (43%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1554, 31.2758, 6.4022 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 31.1554, 31.2758, 6.4022 by changing the saturation by 10% instead.


 31.1554, 31.2758,
6.4022


 31.1554, 31.2758,
6.4022


299.0677,
307.8069, 172.0376


 20.8696, 20.8090,
3.0184


 60.8588, 61.6740,
19.2521

 13.1406, 12.9844,
1.1041


 81.0072, 82.3742,
29.5552


 7.6031, 7.4178,
0.0000


 105.1738,
107.2543, 43.0019

 3.8917, 3.7247,
0.0000

 133.7240,
136.6986, 60.0107

 1.6411, 1.5208,
0.0000

 167.0231,
171.0917, 81.0002

 0.4189, 0.3033,
0.0000

 205.4365,

 0.0000, 0.0000,

210.8178, 106.3888

0.0000

249.3296,
256.2614, 136.5951

■ 31.1554, 31.2758,
6.4022

■ 31.1554, 31.2758,
6.4022

■ 30.1255, 29.6080,
4.8514

■ 32.3772, 33.0816,
8.7764

■ 29.2521, 28.0593,
3.9490

■ 33.8088, 35.0295,
12.0755

■ 29.1363, 27.8506,
3.8401

■ 35.4682, 37.1288,
16.3884

■ 37.3706, 39.3861,
21.7929

■ 39.5297, 41.8077,
28.3592

■ 41.9580, 44.3995,
36.1515

■ 44.6674, 47.1666,
45.2294

■ 47.6689, 50.1143,
55.6485

■ 50.9726, 53.2473,
67.4612

Harmonies

Analogous

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



39.4675, 31.2758, 9.3437



31.1554, 31.2758, 6.4022



23.7747, 31.2758, 7.7440

Triad

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



31.1554, 31.2758, 6.4022



17.8817, 31.2758, 55.8698



44.0505, 31.2758, 66.1469

Complementary

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



31.1554, 31.2758, 6.4022



12.7870, 9.9235, 48.2548

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.



36.5974, 31.2758, 91.3814



31.1554, 31.2758, 6.4022



21.7370, 31.2758, 83.8221

Square

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



31.1554, 31.2758, 6.4022



16.9450, 31.2758, 30.1829



28.3424, 31.2758, 98.9833



47.7149, 31.2758, 38.2427

Rectangle

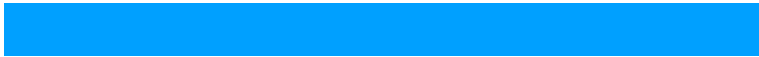
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.1554, 31.2758, 6.4022



20.2066, 31.2758, 11.4440



28.3424, 31.2758, 98.9833



41.8472, 31.2758, 75.6412

Sweetspot

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



31.1561, 31.2773, 6.4028



72.5732, 76.7991, 56.4066



22.7620, 12.6864, 9.1625



15.6488, 16.5526, 11.3665



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.1561, 31.2773, 6.4028



52.8558, 51.0928, 7.5109



31.6997, 42.6770, 8.5745



10.0912, 10.6584, 10.1021



20.1386, 19.3160, 2.6669



0.8413, 0.8615, 0.1219

Inverse Universe

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



12.7870, 9.9235, 48.2548



18.9813, 11.9780, 85.5130



12.3900, 6.4777, 47.6106



9.2273, 9.6469, 12.0479



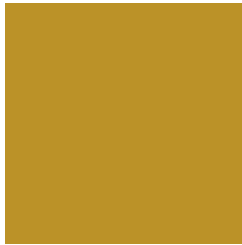
7.0842, 4.2802, 32.8457



0.3347, 0.2821, 1.3057

Previews

White Background



This preview shows how the XYZ color 31.1554, 31.2758, 6.4022 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 31.1554, 31.2758, 6.4022 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 31.1554, 31.2758, 6.4022

Background



This preview shows how black text looks on a background with the XYZ color 31.1554, 31.2758, 6.4022.



This preview shows how white text looks on a background with the XYZ color 31.1554, 31.2758,

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

31.1554, 31.2758, 6.4022

Protanopia

28.4407, 31.2816, 6.7294

Deuteranopia

31.8594, 31.1830, 6.4376



Tritanopia

36.3188, 31.1842, 31.7087

Trichromacy



Original Color

31.1554, 31.2758, 6.4022

Protanomaly

29.4380, 31.3199, 6.5916

Deuteranomaly

31.7608, 31.3580, 6.4766

Tritanomaly

33.5707, 30.9152, 18.3852

Monochromacy



Original Color

31.1554, 31.2758, 6.4022

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.6307, 29.1964, 18.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1554, 31.2758, 6.4022 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(187, 146, 40)` looks like.

```
.text, #text, p{  
    color:rgb(187, 146, 40)  
}
```

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(187, 146, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 146, 40) }
```

Border

The CSS property to change the border of an element to XYZ 31.1554, 31.2758, 6.4022 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(187, 146, 40) }
```


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

```
.border{ border-color:rgb(187, 146, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 146, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 146, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 146, 40);  
box-shadow:4px 4px 4px 4px rgb(187, 146,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1554, 31.2758, 6.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 146, 40) }
```

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

```
.background{ background-color: rgb(187,  
146, 40) }
```

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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