

Converting Colors

XYZ(31.1855, 30.5575, 8.8120)

Have a look what the booklet for
XYZ(31.1855, 30.5575, 8.8120)
contains.

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Color

**XYZ(31.1855, 30.5575,
8.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	BB8F3E
RGB	187, 143, 62
RGB Percent	73%, 56%, 24%
CMY	0.2667, 0.4392, 0.7569
CMYK	0.00, 0.24, 0.67, 0.27
HSL	39°, 50%, 49%
HSV	39°, 67%, 73%
XYZ	31.1855, 30.5575, 8.8120
YIQ	146.9220, 52.2250, -15.8630

Conversions

Conversions Part 2

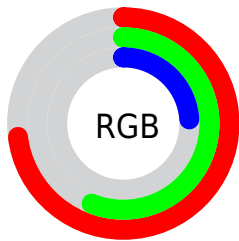
Format	Color
RYB	130, 187, 62
Decimal	12291902
CIELab	62.13, 8.08, 48.20
CIELCh	62, 48.873, 80.482
Yxy	30.5575, 0.4420, 0.4331
Android (android.graphics.Color)	4290481982 (0xFFBB8F3E)
YUV	146.9220, -41.8665, 35.1484
Hunter-Lab	55.2788, 3.9626, 29.2438

Details

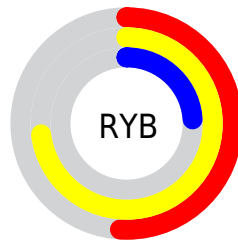
The XYZ color **31.1855, 30.5575, 8.8120** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **16.1101, 14.9196, 49.0442**, and the grayscale version is **27.8541, 29.3047, 31.9128**.

A 20% lighter version of the original color is **60.9529, 60.7176, 24.1299**, and **13.1531, 12.5877, 1.9087** is the 20% darker color. If you saturate the color by 10%, you get **29.7989, 28.4692, 6.2392**, and if you desaturate by 10%, it is **32.8080, 32.8354, 12.3349**.

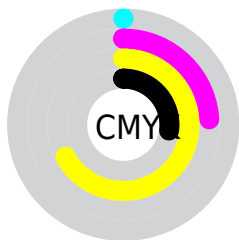
Distribution



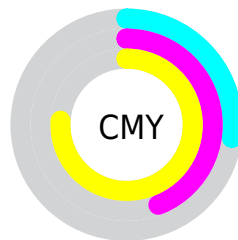
- Red (73%)
- Green (56%)
- Blue (24%)



- Red (51%)
- Yellow (73%)
- Blue (24%)



- Cyan (0%)
- Magenta (24%)
- Yellow (67%)
- Black (27%)





- Cyan (27%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1855, 30.5575, 8.8120 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 31.1855, 30.5575, 8.8120 by changing the saturation by 10% instead.


 31.1855, 30.5575,
8.8120


 31.1855, 30.5575,
8.8120


299.2036,
304.4945, 192.1353


 20.8927, 20.2621,
4.5236


 60.9059, 60.5427,
24.1075

 13.1576, 12.5857,
1.9168


 81.0641, 81.0014,
35.9517


 7.6149, 7.1439,
0.5034


 105.2415,
105.6166, 51.1516

 3.8992, 3.5523,
0.0000

 133.8034,
134.7727, 70.1257

 1.6453, 1.4264,
0.0000

 167.1153,
168.8542, 93.2926

 0.4217, 0.2361,
0.0000

205.5424,

 0.0000, 0.0000,

208.2453, 121.0708

0.0000

249.4500,
253.3307, 153.8789

■ 31.1855, 30.5575,
8.8120

■ 31.1855, 30.5575,
8.8120

■ 29.7989, 28.4692,
6.2392

■ 32.8080, 32.8354,
12.3349

■ 28.6262, 26.5564,
4.5145

■ 34.6816, 35.3068,
16.8925

■ 27.6410, 24.8081,
3.5011

■ 36.8224, 37.9810,
22.5618

■ 27.3530, 24.2838,
3.2456

■ 39.2444, 40.8648,
29.4120

■ 41.9605, 43.9651,
37.5066

■ 44.9828, 47.2878,
46.9046

■ 48.3224, 50.8391,
57.6611

■ 51.9901, 54.6243,
69.8281

■ 55.9959, 58.6490,
83.4548

Harmonies

Analogous

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



37.8560, 30.5575, 12.4252



31.1855, 30.5575, 8.8120



24.8404, 30.5575, 9.5713

Triad

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



31.1855, 30.5575, 8.8120



18.7360, 30.5575, 47.6200



39.9311, 30.5575, 62.0445

Complementary

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



31.1855, 30.5575, 8.8120



16.1101, 14.9196, 49.0442

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.



33.6969, 30.5575, 80.0318



31.1855, 30.5575, 8.8120



21.7180, 30.5575, 69.7556

Square

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



31.1855, 30.5575, 8.8120



18.2731, 30.5575, 27.6357



27.0028, 30.5575, 83.2899



43.3845, 30.5575, 39.6266

Rectangle

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



31.1855, 30.5575, 8.8120



21.5841, 30.5575, 12.6293



27.0028, 30.5575, 83.2899



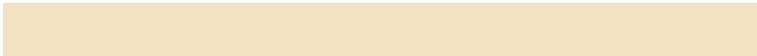
38.0507, 30.5575, 69.1163

Sweetspot

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



31.1862, 30.5590, 8.8126



73.3975, 76.7647, 61.8699



24.9142, 15.0895, 15.7408



15.8605, 16.5593, 12.7218



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.



31.1862, 30.5590, 8.8126



52.3903, 49.4258, 9.6241



35.2895, 44.4716, 11.2817



10.0320, 10.5399, 10.0823



18.9164, 16.8715, 2.2595



0.8003, 0.7795, 0.1083

Inverse Universe

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



16.1101, 14.9196, 49.0442



23.6267, 19.7089, 86.7603



13.8893, 8.6815, 47.9571



9.2838, 9.7600, 12.0668



7.5772, 5.2662, 33.0100



0.3591, 0.3309, 1.3138

Previews

White Background



This preview shows how the XYZ color 31.1855, 30.5575, 8.8120 looks on a white background.

Color Contrast Check

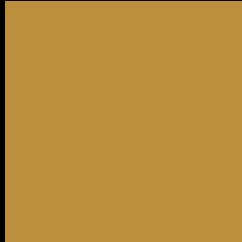
Large Text (above 18pt) WCAG AA × Fail

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 31.1855, 30.5575, 8.8120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

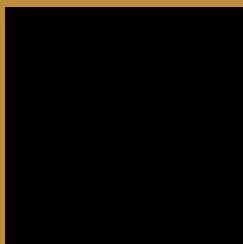
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1855, 30.5575, 8.8120

Background



This preview shows how black text looks on a background with the XYZ color 31.1855, 30.5575, 8.8120.



This preview shows how white text looks on a background with the XYZ color 31.1855, 30.5575,

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

31.1855, 30.5575, 8.8120

Protanopia

27.9284, 30.7189, 9.3078

Deuteranopia

31.1855, 30.5575, 8.8120



Tritanopia

35.6283, 30.4320, 30.7842

Trichromacy



Original Color

31.1855, 30.5575, 8.8120

Protanomaly

28.9427, 30.5374, 9.0715

Deuteranomaly

31.1855, 30.5575, 8.8120

Tritanomaly

33.5260, 30.2055, 20.2829

Monochromacy



Original Color

31.1855, 30.5575, 8.8120

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

28.3316, 29.5001, 20.7239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1855, 30.5575, 8.8120 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, 143, 62)` looks like.

```
.text, #text, p{  
    color:rgb(187, 143, 62)  
}
```

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, 143, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 143, 62) }
```

Border

The CSS property to change the border of an element to XYZ 31.1855, 30.5575, 8.8120 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, 143, 62) }
```


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

```
.border{ border-color:rgb(187, 143, 62) }
```

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

Here you see how a box with a 4 pixel rgb(187, 143, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 143, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 143, 62);  
box-shadow:4px 4px 4px 4px rgb(187, 143,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1855, 30.5575, 8.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 143, 62) }
```

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

```
.background{ background-color: rgb(187,  
143, 62) }
```

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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