

Converting Colors

XYZ(31.6621, 29.8429, 8.8524)

Have a look what the booklet for
XYZ(31.6621, 29.8429, 8.8524)
contains.

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Color

**XYZ(31.6157, 29.9005,
8.8077)**

Conversions

Conversions Part 1

Format	Color
Hex	BF8B3F
RGB	191, 139, 63
RGB Percent	75%, 55%, 25%
CMY	0.2510, 0.4549, 0.7529
CMYK	0.00, 0.27, 0.67, 0.25
HSL	36°, 50%, 50%
HSV	36°, 67%, 75%
XYZ	31.6157, 29.9005, 8.8077
YIQ	145.8840, 55.3880, -12.6120

Conversions

Conversions Part 2

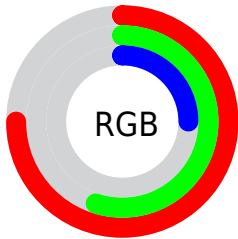
Format	Color
R_{YB}	151, 191, 63
Decimal	12553023
CIE _{Lab}	61.57, 12.09, 47.24
CIE _{LCh}	62, 48.765, 75.644
Yxy	29.9005, 0.4496, 0.4252
Android (android.graphics.Color)	4290743103 (0xFFBF8B3F)
YUV	145.8840, -40.8618, 39.5667
Hunter-Lab	54.6813, 7.5129, 28.7269

Details

The XYZ color **31.6157, 29.9005, 8.8077** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **17.5843, 17.0791, 51.6597**, and the grayscale version is **27.4210, 28.8491, 31.4166**.

A 20% lighter version of the original color is **61.6706, 59.4234, 24.1391**, and **13.4532, 12.2328, 1.9106** is the 20% darker color. If you saturate the color by 10%, you get **30.0880, 27.5563, 6.1064**, and if you desaturate by 10%, it is **33.4097, 32.4812, 12.5117**.

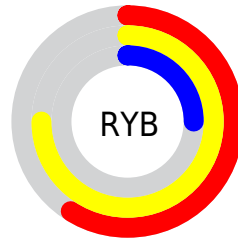
Distribution



Red (75%)

Green (55%)

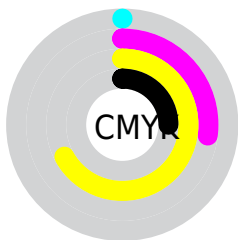
Blue (25%)



Red (59%)

Yellow (75%)

Blue (25%)

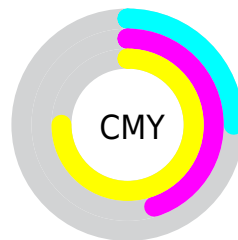


Cyan (0%)

Magenta (27%)

Yellow (67%)

Black (25%)



Cyan (25%)


Magenta (45%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6157, 29.9005, 8.8077 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 31.6157, 29.9005, 8.8077 by changing the saturation by 10% instead.


 31.6157, 29.9005,
8.8077


 31.6157, 29.9005,
8.8077


301.1414,
301.4404, 192.1018


 21.2223, 19.7631,
4.5209

 61.5774, 59.5048,
24.0991

 13.3999, 12.2229,
1.9152


 81.8764, 79.7404,
35.9407

 7.7834, 6.8957,
0.5024


 106.2079,
104.1110, 51.1377

 4.0073, 3.3970,
0.0000

 134.9374,
133.0008, 70.1086

 1.7063, 1.3423,
0.0000

 168.4301,
166.7942, 93.2719

 0.4602, 0.1736,
0.0000

207.0514,

 0.0000, 0.0000,

205.8757, 121.0461

0.0000

251.1667,
250.6296, 153.8499

■ 31.6157, 29.9005,
8.8077

■ 31.6157, 29.9005,
8.8077

■ 30.0880, 27.5563,
6.1064

■ 33.4097, 32.4812,
12.5117

■ 28.8027, 25.4329,
4.2995

■ 35.4867, 35.3040,
17.3080

■ 27.7312, 23.5173,
3.2414

■ 37.8642, 38.3796,
23.2780

■ 27.4370, 22.9789,
2.9893

■ 40.5576, 41.7166,
30.4950

■ 43.5810, 45.3230,
39.0261

■ 46.9475, 49.2063,
48.9337

■ 50.6696, 53.3737,
60.2761

■ 54.7589, 57.8320,
73.1082

■ 59.2266, 62.5880,
87.4822

Harmonies

Analogous

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



38.0298, 29.9005, 13.1547



31.6157, 29.9005, 8.8077



25.1965, 29.9005, 8.8946

Triad

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



31.6157, 29.9005, 8.8077



18.0481, 29.9005, 43.1349



38.2701, 29.9005, 64.3407

Complementary

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



31.6157, 29.9005, 8.8077



17.5843, 17.0791, 51.6597

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.



31.9063, 29.9005, 80.3013



31.6157, 29.9005, 8.8077



20.5822, 29.9005, 65.2358

Square

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



31.6157, 29.9005, 8.8077



17.9947, 29.9005, 24.5005



25.4464, 29.9005, 80.6800



42.2487, 29.9005, 42.2094

Rectangle

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



31.6157, 29.9005, 8.8077



21.7715, 29.9005, 11.3440



25.4464, 29.9005, 80.6800



36.2993, 29.9005, 70.9209

Sweetspot

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



31.6164, 29.9020, 8.8083



76.1993, 78.9871, 64.5834



26.4353, 15.9003, 18.3010



16.3933, 16.9404, 13.2232



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.6164, 29.9020, 8.8083



52.8586, 47.6894, 9.3770



38.4280, 47.3636, 11.8197



9.9883, 10.4527, 10.0678



18.1121, 15.2629, 1.9914



0.7722, 0.7233, 0.0989

Inverse Universe

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



17.5843, 17.0791, 51.6597



26.0949, 23.3276, 91.4065



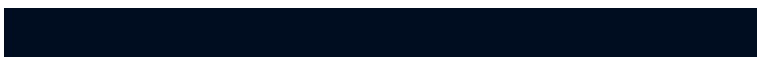
13.9802, 8.7596, 50.2439



9.3261, 9.8446, 12.0809



8.0261, 6.1640, 33.1596



0.3788, 0.3703, 1.3204

Previews

White Background



This preview shows how the XYZ color 31.6157, 29.9005, 8.8077 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6157, 29.9005, 8.8077 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 × Fail

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

XYZ 31.6157, 29.9005, 8.8077

Background



This preview shows how black text looks on a background with the XYZ color 31.6157, 29.9005, 8.8077.



This preview shows how white text looks on a background with the XYZ color 31.6157, 29.9005,

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

31.6157, 29.9005, 8.8077

Protanopia

27.4567, 29.9952, 9.4968

Deuteranopia

30.5501, 30.0081, 8.7394



Tritanopia

35.6890, 29.8914, 29.0879

Trichromacy



Original Color

31.6157, 29.9005, 8.8077

Protanomaly

28.7587, 29.7464, 9.2269

Deuteranomaly

30.8879, 29.9623, 8.7128

Tritanomaly

33.7539, 29.7118, 19.5787

Monochromacy



Original Color

31.6157, 29.9005, 8.8077

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

27.8751, 28.5873, 20.5717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6157, 29.9005, 8.8077 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(191, 139, 63)` looks like.

```
.text, #text, p{  
    color:rgb(191, 139, 63)  
}
```

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(191, 139, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 139, 63) }
```

Border

The CSS property to change the border of an element to XYZ 31.6157, 29.9005, 8.8077 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(191, 139, 63) }
```


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

```
.border{ border-color:rgb(191, 139, 63) }
```

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

Here you see how a box with a 4 pixel rgb(191, 139, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 139, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 139, 63);  
box-shadow:4px 4px 4px 4px rgb(191, 139,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6157, 29.9005, 8.8077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 139, 63) }
```

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

```
.background{ background-color: rgb(191,  
139, 63) }
```

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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