

Converting Colors

$Yxy(31.7919, 0.4680, 0.4666)$

Have a look what the booklet for
Yxy(31.7919, 0.4680, 0.4666)
contains.

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Color

Yxy(31.6341, 0.4683, 0.4664)

Conversions

Conversions Part 1

Format	Color
Hex	BF9200
RGB	191, 146, 0
RGB Percent	75%, 57%, 0%
CMY	0.2510, 0.4274, 1.0000
CMYK	0.00, 0.24, 1.00, 0.25
HSL	46°, 100%, 37%
HSV	46°, 100%, 75%
XYZ	31.7630, 31.6341, 4.4290
YIQ	142.8110, 73.6860, -35.8660

Conversions

Conversions Part 2

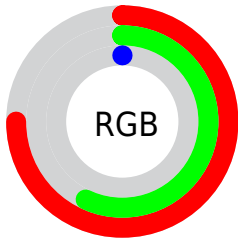
Format	Color
R _Y B	59, 191, 0
Decimal	12554752
CIE Lab	63.04, 6.29, 67.49
CIE LCh	63, 67.784, 84.677
Yxy	31.6341, 0.4683, 0.4664
Android (android.graphics.Color)	4290744832 (0xFFBF9200)
YUV	142.8110, -70.4058, 42.2618
Hunter-Lab	56.2442, 2.3775, 34.7020

Details

The Yxy color **31.6341, 0.4683, 0.4664** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **5.6367, 0.1571, 0.0857**, and the grayscale version is **27.6540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4850, 0.4442, 0.4477**, and **13.2713, 0.4755, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **31.6359, 0.4683, 0.4664**, and if you desaturate by 10%, it is **33.0976, 0.4591, 0.4663**.

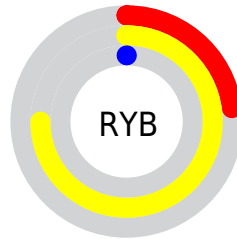
Distribution



Red (75%)

Green (57%)

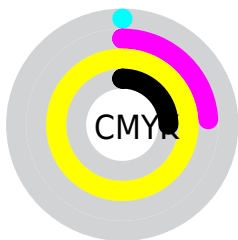
Blue (0%)



Red (23%)

Yellow (75%)

Blue (0%)

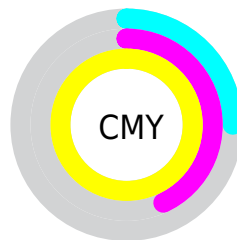


Cyan (0%)

Magenta (24%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6341, 0.4683, 0.4664 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 Yxy color 31.6341, 0.4683, 0.4664 by changing the saturation by 10% instead.


 31.6341, 0.4683,
0.4664


 31.6341, 0.4683,
0.4664


309.4491, 0.3950,
0.4050


 21.0822, 0.4818,
0.4761


 62.2370, 0.4446,
0.4476

 13.1841, 0.4969,
0.4858


 83.0568, 0.4346,
0.4394


 7.5554, 0.5093,
0.4907

 108.0680, 0.4258,
0.4320

 3.8118, 0.5148,
0.4852

 137.6550, 0.4181,
0.4253

 1.5689, 0.5240,
0.4760

 172.2023, 0.4113,
0.4194

 0.3365, 0.5845,
0.4155

 212.0941, 0.4052,

 0.0000, 0.0000,


0.4141

0.0000


 257.7149, 0.3998,
0.4093

 31.6341, 0.4683,
0.4664

 31.6341, 0.4683,
0.4664


 31.6359, 0.4683,
0.4664

 33.0976, 0.4591,
0.4663

 34.6611, 0.4475,
0.4622

 36.3437, 0.4331,
0.4534

 38.1544, 0.4166,
0.4406

 40.1011, 0.3987,
0.4245

■ 42.1906, 0.3803,
0.4063

■ 44.4291, 0.3621,
0.3869

■ 46.8225, 0.3446,
0.3671

■ 49.3761, 0.3280,
0.3477

Harmonies

Analogous

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



31.6341, 0.5175, 0.3928



31.6341, 0.4683, 0.4664



31.6341, 0.3832, 0.5230

Triad

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



31.6341, 0.4683, 0.4664



31.6341, 0.1519, 0.2907



31.6341, 0.3099, 0.2076

Complementary

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



31.6341, 0.4683, 0.4664



5.6367, 0.1571, 0.0857

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.



31.6341, 0.2179, 0.1805



31.6341, 0.4683, 0.4664



31.6341, 0.1406, 0.2135

Square

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



31.6341, 0.4683, 0.4664



31.6341, 0.2013, 0.4107



31.6341, 0.1623, 0.1805



31.6341, 0.4212, 0.2576

Rectangle

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



31.6341, 0.4683, 0.4664



31.6341, 0.3185, 0.5267



31.6341, 0.1623, 0.1805



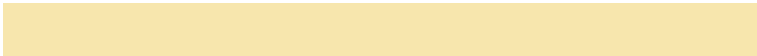
31.6341, 0.2756, 0.1957

Sweetspot

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



31.6359, 0.4683, 0.4664



79.3835, 0.3630, 0.3878



11.2867, 0.5935, 0.3043



17.0499, 0.3707, 0.3962



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



31.6359, 0.4683, 0.4664



56.2731, 0.4692, 0.4657



43.1197, 0.3756, 0.5399



10.7292, 0.3270, 0.3464



20.9209, 0.4675, 0.4670



0.9137, 0.4537, 0.4779

Inverse Universe

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



5.6367, 0.1571, 0.0857



9.7891, 0.1565, 0.0834



4.3835, 0.1643, 0.0679



9.5804, 0.2984, 0.3109



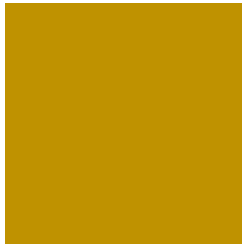
3.8100, 0.1577, 0.0877



0.2533, 0.1709, 0.1351

Previews

White Background



This preview shows how the Yxy color 31.6341, 0.4683, 0.4664 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 Yxy color 31.6341, 0.4683, 0.4664 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](#).

Yxy 31.6341, 0.4683, 0.4664

Background



This preview shows how black text looks on a background with the Yxy color 31.6341, 0.4683, 0.4664.

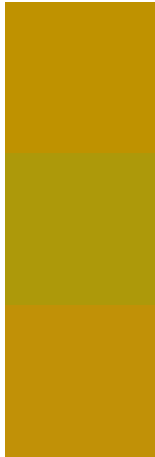


This preview shows how white text looks on a background with the Yxy color 31.6341, 0.4683, 0.4664.

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

31.6341, 0.4683, 0.4664

Protanopia

31.6886, 0.4395, 0.4856

Deuteranopia

31.6036, 0.4704, 0.4623



Tritanopia

31.6894, 0.3716, 0.3159

Trichromacy



Original Color

31.6341, 0.4683, 0.4664

Protanomaly

31.5291, 0.4511, 0.4779

Deuteranomaly

31.4660, 0.4699, 0.4637

Tritanomaly

31.1486, 0.4254, 0.3914

Monochromacy



Original Color

31.6341, 0.4683, 0.4664

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.1754, 0.3849, 0.4114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6341, 0.4683, 0.4664 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, 146, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 146, 0)  
}
```

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, 146, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 146, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.6341, 0.4683, 0.4664 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, 146, 0) }
```

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

```
.border{ border-color:rgb(191, 146, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 146, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 146, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 146, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 146,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6341, 0.4683, 0.4664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 146, 0) }
```

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

```
.background{ background-color: rgb(191,  
146, 0) }
```

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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