

Converting Colors

$Y_{xy}(29.3320, 0.4788, 0.4580)$

Have a look what the booklet for
Yxy(29.3320, 0.4788, 0.4580)
contains.

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Color

Yxy(29.2533, 0.4788, 0.4581)

Conversions

Conversions Part 1

Format	Color
Hex	BF8A00
RGB	191, 138, 0
RGB Percent	75%, 54%, 0%
CMY	0.2509, 0.4588, 1.0000
CMYK	0.00, 0.28, 1.00, 0.25
HSL	43°, 100%, 37%
HSV	43°, 100%, 75%
XYZ	30.5752, 29.2533, 4.0294
YIQ	138.1150, 75.8860, -31.6820

Conversions

Conversions Part 2

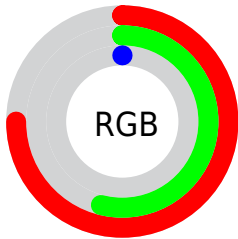
Format	Color
R_{YB}	73, 191, 0
Decimal	12552704
CIE Lab	61.00, 10.68, 66.12
CIE LCh	61, 66.975, 80.826
Yxy	29.2533, 0.4788, 0.4581
Android (android.graphics.Color)	4290742784 (0xFFBF8A00)
YUV	138.1150, -68.0907, 46.3801
Hunter-Lab	54.0863, 6.2555, 33.4433

Details

The Yxy color **29.2533, 0.4788, 0.4581** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **6.3087, 0.1595, 0.0942**, and the grayscale version is **25.7067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.4120, 0.4525, 0.4412**, and **11.8850, 0.4908, 0.4485** is the 20% darker color. If you saturate the color by 10%, you get **29.2552, 0.4788, 0.4581**, and if you desaturate by 10%, it is **30.8609, 0.4680, 0.4589**.

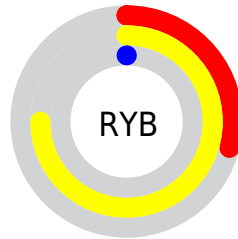
Distribution



Red (75%)

Green (54%)

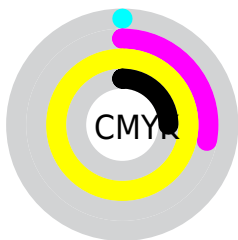
Blue (0%)



Red (29%)

Yellow (75%)

Blue (0%)

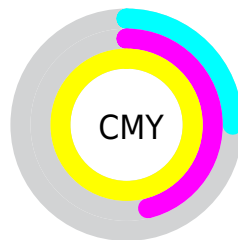


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2533, 0.4788, 0.4581 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 29.2533, 0.4788, 0.4581 by changing the saturation by 10% instead.

 29.2533, 0.4788,
0.4581


 29.2533, 0.4788,
0.4581

298.4082, 0.3988,
0.4014


 19.2725, 0.4941,
0.4662


 58.4793, 0.4524,
0.4413

 11.8674, 0.5125,
0.4746


 78.4933, 0.4415,
0.4337


 6.6534, 0.5258,
0.4742


 102.6205, 0.4320,
0.4268

 3.2463, 0.5358,
0.4642

 131.2453, 0.4236,
0.4206

 1.2616, 0.5529,
0.4471

 164.7520, 0.4163,
0.4150


 0.1112, 0.7671,
0.2329


 203.5252, 0.4097,


 0.0000, 0.0000,

0.4100


0.0000

 247.9491, 0.4039,
0.4055


 29.2533, 0.4788,
0.4581

 29.2533, 0.4788,
0.4581


 29.2552, 0.4788,
0.4581

 30.8609, 0.4680,
0.4589

 32.5884, 0.4546,
0.4555

 34.4555, 0.4386,
0.4474

 36.4717, 0.4205,
0.4352

 38.6451, 0.4013,
0.4198

■ 40.9830, 0.3819,
0.4024

■ 43.4919, 0.3630,
0.3839

■ 46.1781, 0.3449,
0.3651

■ 49.0472, 0.3281,
0.3467

Harmonies

Analogous

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



29.2533, 0.5223, 0.3834



29.2533, 0.4788, 0.4581



29.2533, 0.3958, 0.5206

Triad

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



29.2533, 0.4788, 0.4581



29.2533, 0.1542, 0.3036



29.2533, 0.2960, 0.2013

Complementary

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



29.2533, 0.4788, 0.4581



6.3087, 0.1595, 0.0942

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.



29.2533, 0.2075, 0.1773



29.2533, 0.4788, 0.4581



29.2533, 0.1384, 0.2192

Square

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



29.2533, 0.4788, 0.4581



29.2533, 0.2091, 0.4283



29.2533, 0.1560, 0.1811



29.2533, 0.4085, 0.2492

Rectangle

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



29.2533, 0.4788, 0.4581



29.2533, 0.3309, 0.5322



29.2533, 0.1560, 0.1811



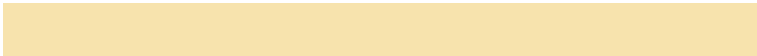
29.2533, 0.2625, 0.1905

Sweetspot

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



29.2552, 0.4788, 0.4581



77.6664, 0.3639, 0.3848



11.3449, 0.5826, 0.2983



16.6267, 0.3719, 0.3928



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.



29.2552, 0.4788, 0.4581



51.9617, 0.4799, 0.4572



43.7136, 0.3814, 0.5354



10.6607, 0.3271, 0.3455



19.3651, 0.4778, 0.4589



0.8631, 0.4608, 0.4723

Inverse Universe

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



6.3087, 0.1595, 0.0942



10.9492, 0.1588, 0.0918



4.2413, 0.1611, 0.0661



9.6448, 0.2984, 0.3119



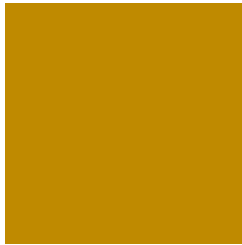
4.2640, 0.1602, 0.0965



0.2812, 0.1740, 0.1464

Previews

White Background



This preview shows how the Yxy color 29.2533, 0.4788, 0.4581 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 Yxy color 29.2533, 0.4788, 0.4581 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](#).

Yxy 29.2533, 0.4788, 0.4581

Background



This preview shows how black text looks on a background with the Yxy color 29.2533, 0.4788, 0.4581.



This preview shows how white text looks on a background with the Yxy color 29.2533, 0.4788, 0.4581.

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

29.2533, 0.4788, 0.4581

Protanopia

29.4195, 0.4387, 0.4855

Deuteranopia

29.3210, 0.4721, 0.4634



Tritanopia

29.1436, 0.3829, 0.3158

Trichromacy



Original Color

29.2533, 0.4788, 0.4581

Protanomaly

29.1920, 0.4541, 0.4749

Deuteranomaly

29.1566, 0.4744, 0.4615

Tritanomaly

28.8092, 0.4370, 0.3872

Monochromacy



Original Color

29.2533, 0.4788, 0.4581

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.0496, 0.3882, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2533, 0.4788, 0.4581 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, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 138, 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, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 29.2533, 0.4788, 0.4581 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, 138, 0) }
```

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

```
.border{ border-color:rgb(191, 138, 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, 138, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 138,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2533, 0.4788, 0.4581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 138, 0) }
```

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

```
.background{ background-color: rgb(191,  
138, 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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