

Converting Colors

$Yxy(16.7607, 0.5402, 0.4093)$

Have a look what the booklet for
Yxy(16.7607, 0.5402, 0.4093)
contains.

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Color

Yxy(16.7285, 0.5412, 0.4085)

Conversions

Conversions Part 1

Format	Color
Hex	B35900
RGB	179, 89, 0
RGB Percent	70%, 35%, 0%
CMY	0.2980, 0.6510, 1.0000
CMYK	0.00, 0.50, 1.00, 0.30
HSL	30°, 100%, 35%
HSV	30°, 100%, 70%
XYZ	22.1627, 16.7285, 2.0598
YIQ	105.7640, 82.2090, -8.5990

Conversions

Conversions Part 2

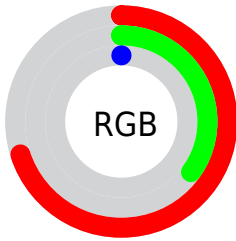
Format	Color
RYB	179, 177, 0
Decimal	11753728
CIELab	47.92, 32.25, 56.91
CIElCh	48, 65.412, 60.460
Yxy	16.7285, 0.5412, 0.4085
Android (android.graphics.Color)	4289943808 (0xFFB35900)
YUV	105.7640, -52.1417, 64.2280
Hunter-Lab	40.9005, 25.1477, 25.6444

Details

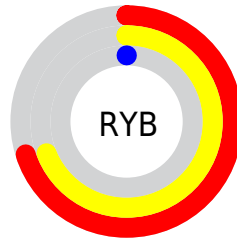
The Yxy color **16.7285, 0.5412, 0.4085** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.5658, 0.1775, 0.1591**, and the grayscale version is **14.4745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7939, 0.4970, 0.4040**, and **5.4395, 0.5804, 0.3774** is the 20% darker color. If you saturate the color by 10%, you get **16.7295, 0.5412, 0.4085**, and if you desaturate by 10%, it is **18.3634, 0.5204, 0.4143**.

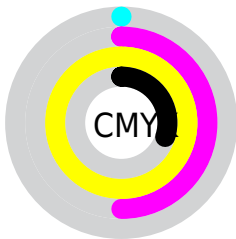
Distribution



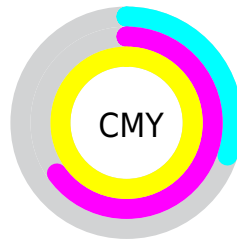
- Red (70%)
- Green (35%)
- Blue (0%)



- Red (70%)
- Yellow (69%)
- Blue (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (100%)
- Black (30%)



- Cyan (30%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7285, 0.5412, 0.4085 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 16.7285, 0.5412, 0.4085 by changing the saturation by 10% instead.


 16.7285, 0.5412,
0.4085


 16.7285, 0.5412,
0.4085


233.6029, 0.4177,
0.3811


 10.0411, 0.5700,
0.4061


 37.8584, 0.4970,
0.4047


 5.4262, 0.6038,
0.3962

 53.0697, 0.4798,
0.4011


 2.4994, 0.6335,
0.3665

 71.8910, 0.4652,
0.3973

 0.8764, 0.6826,
0.3174

 94.7069, 0.4528,
0.3936


 0.0000, 1.0000,
0.0000


 121.9016, 0.4421,
0.3901

 0.0000, 0.0000,
0.0000


 153.8596, 0.4329,


0.3869

 190.9652, 0.4248,
0.3839


 16.7285, 0.5412,
0.4085


 16.7285, 0.5412,
0.4085


 16.7295, 0.5412,
0.4085

 18.3634, 0.5204,
0.4143

 20.2263, 0.4964,
0.4155

 22.3390, 0.4699,
0.4117

 24.7145, 0.4425,
0.4038

 27.3644, 0.4157,
0.3930

■ 30.2993, 0.3905,
0.3806

■ 33.5290, 0.3675,
0.3673

■ 37.0630, 0.3469,
0.3541

■ 40.9100, 0.3287,
0.3412

Harmonies

Analogous

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



16.7285, 0.5477, 0.3296



16.7285, 0.5412, 0.4085



16.7285, 0.4683, 0.4955

Triad

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



16.7285, 0.5412, 0.4085



16.7285, 0.1669, 0.3959



16.7285, 0.2192, 0.1640

Complementary

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



16.7285, 0.5412, 0.4085



10.5658, 0.1775, 0.1591

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.



16.7285, 0.1503, 0.1572



16.7285, 0.5412, 0.4085



16.7285, 0.1234, 0.2580

Square

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



16.7285, 0.5412, 0.4085



16.7285, 0.2552, 0.5376



16.7285, 0.1200, 0.1835



16.7285, 0.3325, 0.1992

Rectangle

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



16.7285, 0.5412, 0.4085



16.7285, 0.4009, 0.5470



16.7285, 0.1200, 0.1835



16.7285, 0.1913, 0.1585

Sweetspot

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



16.7295, 0.5412, 0.4085



59.7438, 0.3686, 0.3680



10.3648, 0.4884, 0.2464



12.6902, 0.3779, 0.3736



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



16.7295, 0.5412, 0.4085



29.5137, 0.5437, 0.4065



40.6407, 0.4222, 0.5029



9.1800, 0.3275, 0.3403



11.9520, 0.5394, 0.4099



0.4928, 0.4975, 0.4432

Inverse Universe

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



10.5658, 0.1775, 0.1591



18.4736, 0.1768, 0.1563



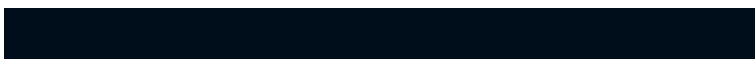
3.3194, 0.1503, 0.0611



8.9126, 0.2985, 0.3174



7.5967, 0.1781, 0.1611



0.3556, 0.1922, 0.2119

Previews

White Background



This preview shows how the Yxy color 16.7285, 0.5412, 0.4085 looks on a white 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

Black Background



This preview shows how the Yxy color 16.7285, 0.5412, 0.4085 looks on a black 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

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

Yxy 16.7285, 0.5412, 0.4085

Background



This preview shows how black text looks on a background with the Yxy color 16.7285, 0.5412, 0.4085.



This preview shows how white text looks on a background with the Yxy color 16.7285, 0.5412, 0.4085.

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

16.7285, 0.5412, 0.4085

Protanopia

16.9660, 0.4340, 0.4819

Deuteranopia

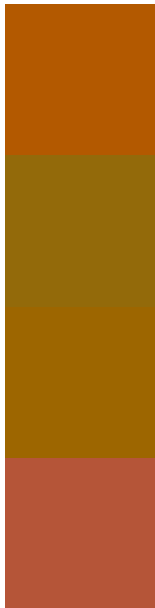
16.9570, 0.4701, 0.4649



Tritanopia

16.8362, 0.4626, 0.3226

Trichromacy



Original Color

16.7285, 0.5412, 0.4085

Protanomaly

16.5330, 0.4744, 0.4549

Deuteranomaly

16.6708, 0.4967, 0.4438

Tritanomaly

16.6063, 0.5075, 0.3661

Monochromacy



Original Color

16.7285, 0.5412, 0.4085

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.5061, 0.4114, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7285, 0.5412, 0.4085 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(179, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(179, 89, 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(179, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 89, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7285, 0.5412, 0.4085 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(179, 89, 0) }
```

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

```
.border{ border-color:rgb(179, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(179, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(179, 89, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7285, 0.5412, 0.4085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 89, 0) }
```

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

```
.background{ background-color: rgb(179, 89,  
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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