

Converting Colors

$Yxy(16.7564, 0.5435, 0.4066)$

Have a look what the booklet for
Yxy(16.7564, 0.5435, 0.4066)
contains.

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Color

Yxy(16.6827, 0.5437, 0.4065)

Conversions

Conversions Part 1

Format	Color
Hex	B45800
RGB	180, 88, 0
RGB Percent	71%, 35%, 0%
CMY	0.2941, 0.6549, 1.0000
CMYK	0.00, 0.51, 1.00, 0.29
HSL	29°, 100%, 35%
HSV	29°, 100%, 71%
XYZ	22.3134, 16.6827, 2.0438
YIQ	105.4760, 83.0800, -7.8640

Conversions

Conversions Part 2

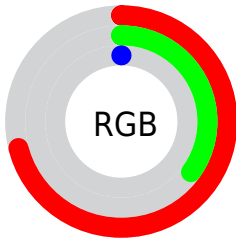
Format	Color
R_{YB}	180, 172, 0
Decimal	11819008
CIE _{Lab}	47.86, 33.20, 56.95
CIE _{LCh}	48, 65.917, 59.760
Yxy	16.6827, 0.5437, 0.4065
Android (android.graphics.Color)	4290009088 (0xFFB45800)
YUV	105.4760, -51.9997, 65.3575
Hunter-Lab	40.8445, 26.0369, 25.6244

Details

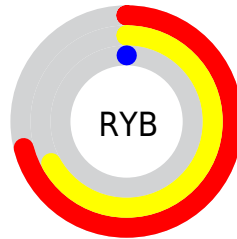
The Yxy color **16.6827, 0.5437, 0.4065** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.9510, 0.1783, 0.1618**, and the grayscale version is **14.3905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6687, 0.4995, 0.4032**, and **5.4441, 0.5834, 0.3749** is the 20% darker color. If you saturate the color by 10%, you get **16.6836, 0.5437, 0.4065**, and if you desaturate by 10%, it is **18.3344, 0.5226, 0.4125**.

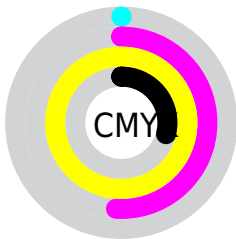
Distribution



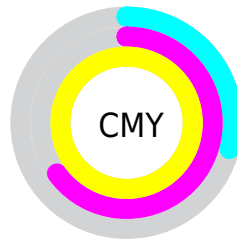
- Red (71%)
- Green (35%)
- Blue (0%)



- Red (71%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (100%)
- Black (29%)




- Cyan (29%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6827, 0.5437, 0.4065 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 16.6827, 0.5437, 0.4065 by changing the saturation by 10% instead.


 16.6827, 0.5437,
0.4065


 16.6827, 0.5437,
0.4065


 233.3372, 0.4188,
0.3805


 10.0085, 0.5729,
0.4036


 37.7794, 0.4989,
0.4033


 5.4046, 0.6070,
0.3930

 52.9707, 0.4816,
0.3999

 2.4866, 0.6374,
0.3626

 71.7699, 0.4668,
0.3963

 0.8699, 0.6875,
0.3125

 94.5613, 0.4543,
0.3927


 0.0000, 1.0000,
0.0000

 121.7294, 0.4435,
0.3893


 0.0000, 0.0000,
0.0000


 153.6584, 0.4341,

0.3862


 190.7329, 0.4260,
0.3832


 16.6827, 0.5437,
0.4065


 16.6827, 0.5437,
0.4065


 16.6836, 0.5437,
0.4065

 18.3344, 0.5226,
0.4125

 20.2226, 0.4982,
0.4140

 22.3698, 0.4713,
0.4104

 24.7894, 0.4434,
0.4026

 27.4936, 0.4163,
0.3920

■ 30.4932, 0.3908,
0.3798

■ 33.7988, 0.3677,
0.3667

■ 37.4198, 0.3470,
0.3537

■ 41.3657, 0.3287,
0.3410

Harmonies

Analogous

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



16.6827, 0.5486, 0.3275



16.6827, 0.5437, 0.4065



16.6827, 0.4711, 0.4941

Triad

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



16.6827, 0.5437, 0.4065



16.6827, 0.1673, 0.4002



16.6827, 0.2164, 0.1625

Complementary

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



16.6827, 0.5437, 0.4065



10.9510, 0.1783, 0.1618

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.



16.6827, 0.1481, 0.1563



16.6827, 0.5437, 0.4065



16.6827, 0.1227, 0.2598

Square

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



16.6827, 0.5437, 0.4065



16.6827, 0.2570, 0.5419



16.6827, 0.1186, 0.1835



16.6827, 0.3295, 0.1972

Rectangle

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



16.6827, 0.5437, 0.4065



16.6827, 0.4035, 0.5469



16.6827, 0.1186, 0.1835



16.6827, 0.1887, 0.1572

Sweetspot

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



16.6836, 0.5437, 0.4065



60.9578, 0.3688, 0.3674



10.4945, 0.4885, 0.2465



12.6257, 0.3782, 0.3728



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.



16.6836, 0.5437, 0.4065



29.7849, 0.5462, 0.4045



41.1511, 0.4222, 0.5029



9.1682, 0.3275, 0.3402



11.7770, 0.5418, 0.4080



0.4875, 0.4991, 0.4419

Inverse Universe

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



10.9510, 0.1783, 0.1618



19.3865, 0.1775, 0.1590



3.3607, 0.1503, 0.0611



8.9243, 0.2985, 0.3176



7.7775, 0.1789, 0.1639



0.3611, 0.1928, 0.2140

Previews

White Background



This preview shows how the Yxy color 16.6827, 0.5437, 0.4065 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 16.6827, 0.5437, 0.4065 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 16.6827, 0.5437, 0.4065

Background



This preview shows how black text looks on a background with the Yxy color 16.6827, 0.5437, 0.4065.



This preview shows how white text looks on a background with the Yxy color 16.6827, 0.5437, 0.4065.

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

16.6827, 0.5437, 0.4065

Protanopia

16.9660, 0.4340, 0.4819

Deuteranopia

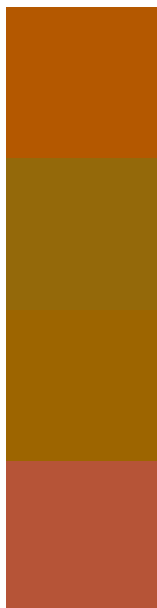
16.6544, 0.4705, 0.4646



Tritanopia

16.7900, 0.4663, 0.3227

Trichromacy



Original Color

16.6827, 0.5437, 0.4065

Protanomaly

16.4210, 0.4773, 0.4526

Deuteranomaly

16.4755, 0.4984, 0.4425

Tritanomaly

16.5616, 0.5110, 0.3656

Monochromacy



Original Color

16.6827, 0.5437, 0.4065

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.2345, 0.4108, 0.3901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6827, 0.5437, 0.4065 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(180, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(180, 88, 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(180, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 88, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6827, 0.5437, 0.4065 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(180, 88, 0) }
```

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

```
.border{ border-color:rgb(180, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(180, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(180, 88, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.6827, 0.5437, 0.4065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 88, 0) }
```

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

```
.background{ background-color: rgb(180, 88,  
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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