

Converting Colors

$Y_{xy}(16.1743, 0.5452, 0.4053)$

Have a look what the booklet for
Yxy(16.1743, 0.5452, 0.4053)
contains.

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Color

Yxy(16.1206, 0.5452, 0.4053)

Conversions

Conversions Part 1

Format	Color
Hex	B25600
RGB	178, 86, 0
RGB Percent	70%, 34%, 0%
CMY	0.3020, 0.6627, 1.0000
CMYK	0.00, 0.52, 1.00, 0.30
HSL	29°, 100%, 35%
HSV	29°, 100%, 70%
XYZ	21.6851, 16.1206, 1.9688
YIQ	103.7040, 82.4380, -7.2420

Conversions

Conversions Part 2

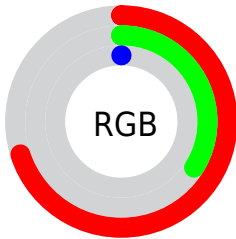
Format	Color
R _Y B	178, 166, 0
Decimal	11687424
CIE Lab	47.13, 33.40, 56.35
CIE LCh	47, 65.509, 59.345
Yxy	16.1206, 0.5452, 0.4053
Android (android.graphics.Color)	4289877504 (0xFFB25600)
YUV	103.7040, -51.1261, 65.1576
Hunter-Lab	40.1505, 26.1436, 25.1980

Details

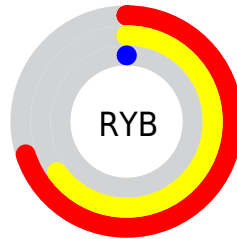
The Yxy color **16.1206, 0.5452, 0.4053** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.8635, 0.1789, 0.1638**, and the grayscale version is **13.8846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7428, 0.5000, 0.4020**, and **5.1747, 0.5860, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **16.1206, 0.5452, 0.4053**, and if you desaturate by 10%, it is **17.7293, 0.5238, 0.4113**.

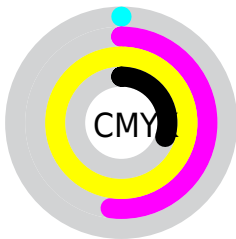
Distribution



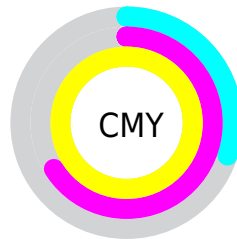
- Red (70%)
- Green (34%)
- Blue (0%)



- Red (70%)
- Yellow (65%)
- Blue (0%)



- Cyan (0%)
- Magenta (52%)
- Yellow (100%)
- Black (30%)



- Cyan (30%)
- Magenta (66%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1206, 0.5452, 0.4053 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 16.1206, 0.5452, 0.4053 by changing the saturation by 10% instead.

 16.1206, 0.5452,
0.4053


 16.1206, 0.5452,
0.4053


 230.0523, 0.4188,
0.3799


 9.6095, 0.5753,
0.4023


 36.8074, 0.4997,
0.4024

 5.1408, 0.6094,
0.3906


 51.7520, 0.4821,
0.3991


 2.3301, 0.6410,
0.3590


 70.2765, 0.4672,
0.3955

 0.7896, 0.6943,
0.3057

 92.7654, 0.4545,
0.3920


 0.0000, 1.0000,
0.0000


 119.6030, 0.4436,
0.3887

 0.0000, 0.0000,
0.0000


 151.1738, 0.4342,

0.3855


 187.8621, 0.4260,
0.3826


 16.1206, 0.5452,
0.4053

 17.7293, 0.5238,
0.4113

 19.5718, 0.4992,
0.4129

 21.6704, 0.4719,
0.4094

 24.0384, 0.4439,
0.4018

 26.6876, 0.4166,
0.3913

■ 29.6291, 0.3910,
0.3791

■ 32.8729, 0.3677,
0.3663

■ 36.4289, 0.3470,
0.3534

■ 40.3060, 0.3287,
0.3408

Harmonies

Analogous

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



16.1206, 0.5492, 0.3263



16.1206, 0.5452, 0.4053



16.1206, 0.4728, 0.4933

Triad

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



16.1206, 0.5452, 0.4053



16.1206, 0.1676, 0.4028



16.1206, 0.2147, 0.1616

Complementary

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



16.1206, 0.5452, 0.4053



10.8635, 0.1789, 0.1638

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.



16.1206, 0.1469, 0.1558



16.1206, 0.5452, 0.4053



16.1206, 0.1223, 0.2609

Square

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



16.1206, 0.5452, 0.4053



16.1206, 0.2580, 0.5445



16.1206, 0.1178, 0.1835



16.1206, 0.3277, 0.1960

Rectangle

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



16.1206, 0.5452, 0.4053



16.1206, 0.4051, 0.5469



16.1206, 0.1178, 0.1835



16.1206, 0.1872, 0.1564

Sweetspot

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



16.1215, 0.5452, 0.4053



59.3033, 0.3689, 0.3670



10.2881, 0.4813, 0.2425



12.5828, 0.3783, 0.3724



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.



16.1215, 0.5452, 0.4053



28.7840, 0.5478, 0.4032



38.9870, 0.4252, 0.5006



9.1604, 0.3275, 0.3400



11.6619, 0.5434, 0.4067



0.4839, 0.5002, 0.4411

Inverse Universe

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



10.8635, 0.1789, 0.1638



19.2397, 0.1781, 0.1610



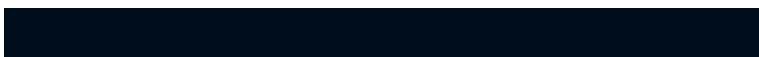
3.3427, 0.1506, 0.0622



8.9322, 0.2985, 0.3177



7.9005, 0.1794, 0.1658



0.3647, 0.1932, 0.2154

Previews

White Background



This preview shows how the Yxy color 16.1206, 0.5452, 0.4053 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



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 16.1206, 0.5452, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 16.1206, 0.5452, 0.4053.



This preview shows how white text looks on a background with the Yxy color 16.1206, 0.5452, 0.4053.

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

16.1206, 0.5452, 0.4053

Protanopia

16.3597, 0.4341, 0.4814

Deuteranopia

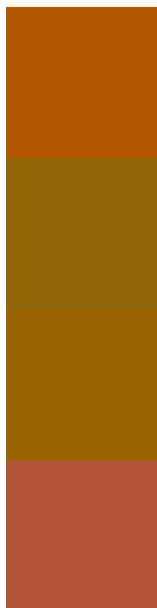
16.2662, 0.4696, 0.4654



Tritanopia

16.0965, 0.4676, 0.3226

Trichromacy



Original Color

16.1206, 0.5452, 0.4053

Protanomaly

15.8334, 0.4781, 0.4517

Deuteranomaly

15.8922, 0.4995, 0.4416

Tritanomaly

15.8846, 0.5116, 0.3648

Monochromacy



Original Color

16.1206, 0.5452, 0.4053

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.7680, 0.4126, 0.3886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1206, 0.5452, 0.4053 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(178, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 86, 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(178, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1206, 0.5452, 0.4053 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(178, 86, 0) }
```

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

```
.border{ border-color:rgb(178, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(178, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1206, 0.5452, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 86, 0) }
```

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

```
.background{ background-color: rgb(178, 86,  
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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