

Converting Colors

$Yxy(16.0734, 0.5443, 0.4236)$

Have a look what the booklet for
Yxy(16.0734, 0.5443, 0.4236)
contains.

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Color

Yxy(16.1966, 0.5341, 0.4141)

Conversions

Conversions Part 1

Format	Color
Hex	AD5A00
RGB	173, 90, 0
RGB Percent	68%, 35%, 0%
CMY	0.3216, 0.6470, 0.9999
CMYK	0.00, 0.48, 1.00, 0.32
HSL	31°, 100%, 34%
HSV	31°, 100%, 68%
XYZ	20.8901, 16.1966, 2.0260
YIQ	104.5570, 78.3580, -10.3940

Conversions

Conversions Part 2

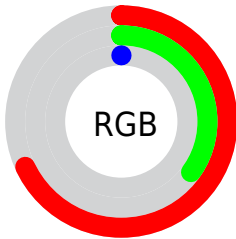
Format	Color
RYB	160, 173, 0
Decimal	11360768
CIELab	47.23, 29.19, 56.02
CIELCh	47, 63.172, 62.475
Yxy	16.1966, 0.5341, 0.4141
Android (android.graphics.Color)	4289550848 (0xFFAD5A00)
YUV	104.5570, -51.5466, 60.0245
Hunter-Lab	40.2450, 22.2260, 25.1867

Details

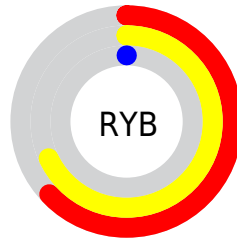
The Yxy color **16.1966, 0.5341, 0.4141** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.2084, 0.1756, 0.1520**, and the grayscale version is **14.1282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8684, 0.4908, 0.4087**, and **5.2333, 0.5711, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **16.1947, 0.5341, 0.4141**, and if you desaturate by 10%, it is **17.7185, 0.5142, 0.4192**.

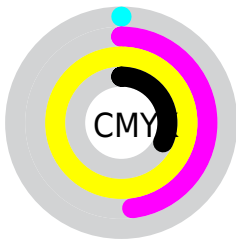
Distribution



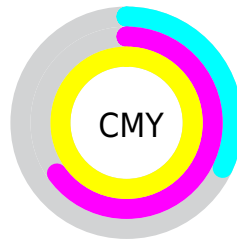
- Red (68%)
- Green (35%)
- Blue (0%)



- Red (63%)
- Yellow (68%)
- Blue (0%)



- Cyan (0%)
- Magenta (48%)
- Yellow (100%)
- Black (32%)





- Cyan (32%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1966, 0.5341, 0.4141 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 16.1966, 0.5341, 0.4141 by changing the saturation by 10% instead.


 16.1966, 0.5341,
0.4141


 16.1966, 0.5341,
0.4141


 230.4990, 0.4139,
0.3824


 9.6634, 0.5624,
0.4131


 36.9392, 0.4909,
0.4084


 5.1763, 0.5953,
0.4047

 51.9173, 0.4741,
0.4042


 2.3511, 0.6238,
0.3762

 70.4792, 0.4600,
0.3999


 0.8006, 0.6726,
0.3274

 93.0093, 0.4479,
0.3959

 0.0000, 1.0000,
0.0000


 119.8919, 0.4375,
0.3921

 0.0000, 0.0000,
0.0000


 151.5115, 0.4286,


0.3886


 188.2524, 0.4207,
0.3854


 16.1966, 0.5341,
0.4141


 16.1966, 0.5341,
0.4141

 16.1947, 0.5341,
0.4141

 17.7185, 0.5142,
0.4192

 19.4371, 0.4913,
0.4198

 21.3722, 0.4660,
0.4154

 23.5348, 0.4396,
0.4070

 25.9349, 0.4137,
0.3957

■ 28.5816, 0.3893,
0.3827

■ 31.4834, 0.3668,
0.3689

■ 34.6481, 0.3465,
0.3551

■ 38.0833, 0.3285,
0.3417

Harmonies

Analogous

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



16.1966, 0.5450, 0.3356



16.1966, 0.5341, 0.4141



16.1966, 0.4603, 0.4991

Triad

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



16.1966, 0.5341, 0.4141



16.1966, 0.1656, 0.3840



16.1966, 0.2273, 0.1682

Complementary

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



16.1966, 0.5341, 0.4141



9.2084, 0.1756, 0.1520

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.



16.1966, 0.1563, 0.1596



16.1966, 0.5341, 0.4141



16.1966, 0.1253, 0.2532

Square

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



16.1966, 0.5341, 0.4141



16.1966, 0.2503, 0.5252



16.1966, 0.1240, 0.1833



16.1966, 0.3410, 0.2047

Rectangle

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



16.1966, 0.5341, 0.4141



16.1966, 0.3935, 0.5468



16.1966, 0.1240, 0.1833



16.1966, 0.1988, 0.1621

Sweetspot

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



16.1975, 0.5341, 0.4141



56.0904, 0.3679, 0.3697



9.5194, 0.5019, 0.2539



11.7201, 0.3769, 0.3753



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.1975, 0.5341, 0.4141



28.5698, 0.5366, 0.4122



38.4468, 0.4164, 0.5075



8.6786, 0.3274, 0.3408



12.0124, 0.5326, 0.4153



0.4430, 0.4898, 0.4493

Inverse Universe

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



9.2084, 0.1756, 0.1520



16.0603, 0.1747, 0.1490



3.0367, 0.1506, 0.0603



8.3675, 0.2986, 0.3169



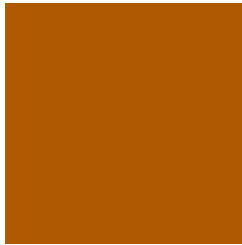
6.8761, 0.1761, 0.1538



0.3013, 0.1920, 0.2111

Previews

White Background



This preview shows how the Yxy color 16.1966, 0.5341, 0.4141 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 16.1966, 0.5341, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 16.1966, 0.5341, 0.4141.



This preview shows how white text looks on a background with the Yxy color 16.1966, 0.5341, 0.4141.

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

16.1966, 0.5341, 0.4141

Protanopia

16.3568, 0.4345, 0.4820

Deuteranopia

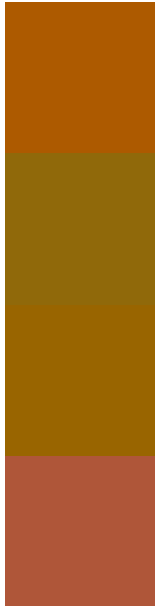
16.2662, 0.4696, 0.4654



Tritanopia

16.3089, 0.4508, 0.3208

Trichromacy



Original Color

16.1966, 0.5341, 0.4141

Protanomaly

16.0544, 0.4722, 0.4564

Deuteranomaly

16.0797, 0.4937, 0.4462

Tritanomaly

16.0649, 0.4983, 0.3682

Monochromacy



Original Color

16.1966, 0.5341, 0.4141

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.2654, 0.4068, 0.3927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1966, 0.5341, 0.4141 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(173, 90, 0)` looks like.

```
.text, #text, p{  
  color:rgb(173, 90, 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(173, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 90, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1966, 0.5341, 0.4141 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(173, 90, 0) }
```

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

```
.border{ border-color:rgb(173, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 90, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1966, 0.5341, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 90, 0) }
```

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

```
.background{ background-color: rgb(173, 90,  
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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