

Converting Colors

$Y_{xy}(16.4226, 0.5253, 0.4211)$

Have a look what the booklet for
Yxy(16.4226, 0.5253, 0.4211)
contains.

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Color

Yxy(16.3747, 0.5261, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	AA5D00
RGB	170, 93, 0
RGB Percent	67%, 36%, 0%
CMY	0.3334, 0.6353, 0.9995
CMYK	0.00, 0.45, 1.00, 0.33
HSL	33°, 100%, 33%
HSV	33°, 100%, 67%
XYZ	20.4917, 16.3747, 2.0838
YIQ	105.4210, 75.7450, -12.5990

Conversions

Conversions Part 2

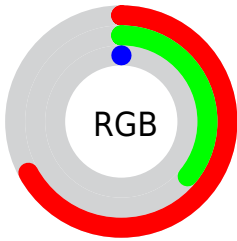
Format	Color
RYB	141, 170, 0
Decimal	11164928
CIELab	47.46, 26.27, 55.92
CIELCh	47, 61.783, 64.838
Yxy	16.3747, 0.5261, 0.4204
Android (android.graphics.Color)	4289355008 (0xFFAA5D00)
YUV	105.4210, -51.9726, 56.6358
Hunter-Lab	40.4657, 19.5772, 25.2727

Details

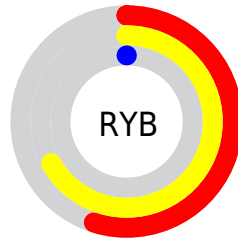
The Yxy color **16.3747, 0.5261, 0.4204** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.2256, 0.1733, 0.1437**, and the grayscale version is **14.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2724, 0.4845, 0.4126**, and **5.3335, 0.5580, 0.3951** is the 20% darker color. If you saturate the color by 10%, you get **16.3660, 0.5262, 0.4204**, and if you desaturate by 10%, it is **17.8376, 0.5073, 0.4247**.

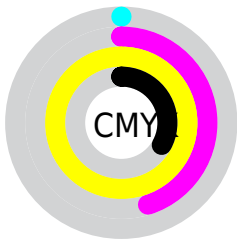
Distribution



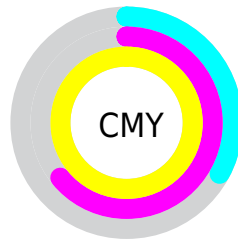
- Red (67%)
- Green (36%)
- Blue (0%)



- Red (55%)
- Yellow (67%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (33%)



- Cyan (33%)
- Magenta (64%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3747, 0.5261, 0.4204 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 16.3747, 0.5261, 0.4204 by changing the saturation by 10% instead.


 16.3747, 0.5261,
0.4204


 16.3747, 0.5261,
0.4204


231.5427, 0.4105,
0.3843


 9.7897, 0.5530,
0.4209


 37.2475, 0.4846,
0.4127


 5.2597, 0.5849,
0.4151

 52.3041, 0.4685,
0.4078

 2.4005, 0.6109,
0.3891

 70.9533, 0.4549,
0.4031

 0.8261, 0.6556,
0.3444

 93.5795, 0.4433,
0.3986


 0.0000, 1.0000,
0.0000

 120.5672, 0.4333,
0.3945

 0.0000, 0.0000,
0.0000


 152.3007, 0.4247,

0.3908

 189.1644, 0.4171,
0.3874


 16.3747, 0.5261,
0.4204


 16.3747, 0.5261,
0.4204


 16.3660, 0.5262,
0.4204

 17.8376, 0.5073,
0.4247

 19.4745, 0.4857,
0.4247

 21.3038, 0.4617,
0.4197

 23.3353, 0.4366,
0.4106

 25.5779, 0.4117,
0.3987

■ 28.0395, 0.3880,
0.3851

■ 30.7277, 0.3660,
0.3707

■ 33.6494, 0.3461,
0.3563

■ 36.8114, 0.3284,
0.3422

Harmonies

Analogous

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



16.3747, 0.5419, 0.3423



16.3747, 0.5261, 0.4204



16.3747, 0.4512, 0.5029

Triad

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



16.3747, 0.5261, 0.4204



16.3747, 0.1642, 0.3712



16.3747, 0.2366, 0.1730

Complementary

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



16.3747, 0.5261, 0.4204



8.2256, 0.1733, 0.1437

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.



16.3747, 0.1633, 0.1623



16.3747, 0.5261, 0.4204



16.3747, 0.1274, 0.2480

Square

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



16.3747, 0.5261, 0.4204



16.3747, 0.2446, 0.5111



16.3747, 0.1286, 0.1832



16.3747, 0.3506, 0.2111

Rectangle

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



16.3747, 0.5261, 0.4204



16.3747, 0.3849, 0.5461



16.3747, 0.1286, 0.1832



16.3747, 0.2074, 0.1663

Sweetspot

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



16.3756, 0.5261, 0.4204



55.4444, 0.3673, 0.3716



9.1184, 0.5085, 0.2575



11.9099, 0.3761, 0.3775



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.



16.3756, 0.5261, 0.4204



29.2554, 0.5286, 0.4185



36.6759, 0.4136, 0.5098



8.1966, 0.3273, 0.3414



12.1523, 0.5247, 0.4215



0.3959, 0.4815, 0.4559

Inverse Universe

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



8.2256, 0.1733, 0.1437



14.4848, 0.1724, 0.1405



2.9420, 0.1512, 0.0607



7.8396, 0.2987, 0.3163



6.1527, 0.1738, 0.1455



0.2526, 0.1918, 0.2105

Previews

White Background



This preview shows how the Yxy color 16.3747, 0.5261, 0.4204 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 16.3747, 0.5261, 0.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

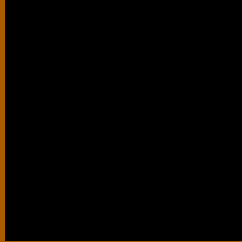
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3747, 0.5261, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 16.3747, 0.5261, 0.4204.



This preview shows how white text looks on a background with the Yxy color 16.3747, 0.5261, 0.4204.

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

16.3747, 0.5261, 0.4204

Protanopia

16.6555, 0.4348, 0.4829

Deuteranopia

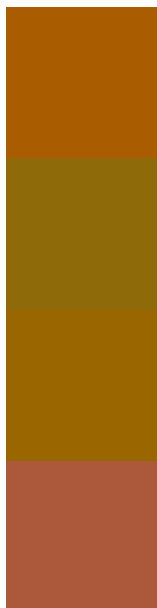
16.3550, 0.4709, 0.4643



Tritanopia

16.3301, 0.4403, 0.3190

Trichromacy



Original Color

16.3747, 0.5261, 0.4204

Protanomaly

16.1674, 0.4695, 0.4592

Deuteranomaly

16.2750, 0.4920, 0.4476

Tritanomaly

16.2312, 0.4886, 0.3710

Monochromacy



Original Color

16.3747, 0.5261, 0.4204

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.3797, 0.4043, 0.3949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3747, 0.5261, 0.4204 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(170, 93, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 93, 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(170, 93, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 93, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3747, 0.5261, 0.4204 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(170, 93, 0) }
```

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

```
.border{ border-color:rgb(170, 93, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 93, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 93, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 93, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 93, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3747, 0.5261, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 93, 0) }
```

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

```
.background{ background-color: rgb(170, 93,  
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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