

Converting Colors

$Yxy(15.9777, 0.5525, 0.3986)$

Have a look what the booklet for
Yxy(15.9777, 0.5525, 0.3986)
contains.

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Color

Yxy(16.0147, 0.5519, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	B55302
RGB	181, 83, 2
RGB Percent	71%, 33%, 1%
CMY	0.2901, 0.6745, 0.9922
CMYK	0.00, 0.54, 0.99, 0.29
HSL	27°, 98%, 36%
HSV	27°, 99%, 71%
XYZ	22.1628, 16.0147, 1.9798
YIQ	103.0680, 84.4090, -4.4150

Conversions

Conversions Part 2

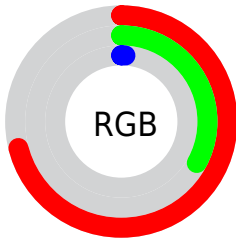
Format	Color
R _Y B	181, 150, 2
Decimal	11883266
CIE Lab	46.99, 36.23, 56.02
CIE LCh	47, 66.711, 57.111
Yxy	16.0147, 0.5519, 0.3988
Android (android.graphics.Color)	4290073346 (0xFFB55302)
YUV	103.0680, -49.8265, 68.3464
Hunter-Lab	40.0184, 28.8238, 25.0797

Details

The Yxy color **16.0147, 0.5519, 0.3988** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.4635, 0.1824, 0.1759**, and the grayscale version is **13.6998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4418, 0.5048, 0.3971**, and **5.1527, 0.5964, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **15.8468, 0.5544, 0.3980**, and if you desaturate by 10%, it is **17.6884, 0.5291, 0.4053**.

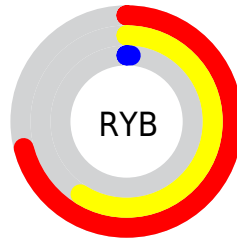
Distribution



Red (71%)

Green (33%)

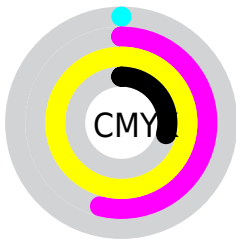
Blue (1%)



Red (71%)

Yellow (59%)

Blue (1%)

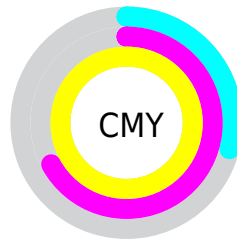


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (29%)



Cyan (29%)


Magenta (67%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0147, 0.5519, 0.3988 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 16.0147, 0.5519, 0.3988 by changing the saturation by 10% instead.


 16.0147, 0.5519,
0.3988


 16.0147, 0.5519,
0.3988


 229.4284, 0.4214,
0.3777


 9.5346, 0.5831,
0.3945


 36.6237, 0.5048,
0.3976

 5.0915, 0.6189,
0.3811

 51.5214, 0.4866,
0.3949


 2.3010, 0.6525,
0.3475

 69.9937, 0.4713,
0.3919

 0.7743, 0.7088,
0.2912

 92.4250, 0.4582,
0.3887

 0.0000, 1.0000,
0.0000

 119.1998, 0.4470,
0.3857

 0.0000, 0.0000,
0.0000

 150.7023, 0.4373,

0.3828

187.3171, 0.4288,
0.3801

16.0147, 0.5519,
0.3988

16.0147, 0.5519,
0.3988

15.8468, 0.5544,
0.3980

17.6884, 0.5291,
0.4053

19.6305, 0.5026,
0.4070

21.8630, 0.4737,
0.4036

24.4009, 0.4442,
0.3964

27.2578, 0.4159,
0.3864

■ 30.4463, 0.3896,
0.3749

■ 33.9779, 0.3660,
0.3627

■ 37.8639, 0.3452,
0.3506

■ 42.1146, 0.3269,
0.3389

Harmonies

Analogous

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



16.0147, 0.5502, 0.3198



16.0147, 0.5519, 0.3988



16.0147, 0.4813, 0.4880

Triad

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



16.0147, 0.5519, 0.3988



16.0147, 0.1702, 0.4168



16.0147, 0.2063, 0.1578

Complementary

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



16.0147, 0.5519, 0.3988



12.4635, 0.1824, 0.1759

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.



16.0147, 0.1411, 0.1541



16.0147, 0.5519, 0.3988



16.0147, 0.1213, 0.2676

Square

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



16.0147, 0.5519, 0.3988



16.0147, 0.2644, 0.5563



16.0147, 0.1143, 0.1848



16.0147, 0.3178, 0.1905

Rectangle

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



16.0147, 0.5519, 0.3988



16.0147, 0.4134, 0.5448



16.0147, 0.1143, 0.1848



16.0147, 0.1796, 0.1533

Sweetspot

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



16.0156, 0.5519, 0.3988



59.7930, 0.3696, 0.3647



10.7972, 0.4722, 0.2382



12.3493, 0.3792, 0.3697



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.



16.0156, 0.5519, 0.3988



27.9353, 0.5570, 0.3959



39.3586, 0.4279, 0.4978



9.1175, 0.3276, 0.3393



11.0575, 0.5523, 0.3997



0.4650, 0.5061, 0.4364

Inverse Universe

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



12.4635, 0.1824, 0.1759



21.5284, 0.1810, 0.1715



3.5873, 0.1514, 0.0640



8.9755, 0.2985, 0.3184



8.6041, 0.1823, 0.1762



0.3854, 0.1953, 0.2231

Previews

White Background



This preview shows how the Yxy color 16.0147, 0.5519, 0.3988 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 16.0147, 0.5519, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 16.0147, 0.5519, 0.3988.



This preview shows how white text looks on a background with the Yxy color 16.0147, 0.5519, 0.3988.

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

16.0147, 0.5519, 0.3988

Protanopia

16.0644, 0.4337, 0.4805

Deuteranopia

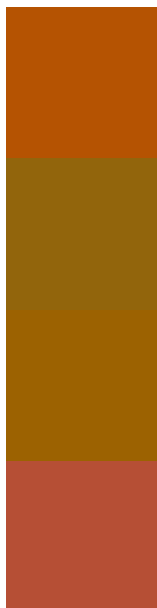
16.0589, 0.4713, 0.4640



Tritanopia

15.9842, 0.4788, 0.3229

Trichromacy



Original Color

16.0147, 0.5519, 0.3988

Protanomaly

15.4449, 0.4808, 0.4480

Deuteranomaly

15.8055, 0.5021, 0.4389

Tritanomaly

15.7941, 0.5196, 0.3611

Monochromacy



Original Color

16.0147, 0.5519, 0.3988

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5844, 0.4136, 0.3868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0147, 0.5519, 0.3988 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(181, 83, 2)` looks like.

```
.text, #text, p{  
    color:rgb(181, 83, 2)  
}
```

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(181, 83, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 83, 2) }
```

Border

The CSS property to change the border of an element to Yxy 16.0147, 0.5519, 0.3988 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(181, 83, 2) }
```

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

```
.border{ border-color:rgb(181, 83, 2) }
```

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

Here you see how a box with a 4 pixel rgb(181, 83, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 83, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 83, 2);  
box-shadow:4px 4px 4px 4px rgb(181, 83, 2)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0147, 0.5519, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 83, 2) }
```

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

```
.background{ background-color: rgb(181, 83,  
2) }
```

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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