

Converting Colors

$Y_{xy}(20.3535, 0.5291, 0.4147)$

Have a look what the booklet for
Yxy(20.3535, 0.5291, 0.4147)
contains.

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Color

$Y_{xy}(20.2699, 0.5297, 0.4141)$

Conversions

Conversions Part 1

Format	Color
Hex	BE6507
RGB	190, 101, 7
RGB Percent	75%, 40%, 3%
CMY	0.2549, 0.6039, 0.9720
CMYK	0.00, 0.47, 0.96, 0.25
HSL	31°, 93%, 39%
HSV	31°, 96%, 75%
XYZ	25.9284, 20.2699, 2.7509
YIQ	116.8950, 83.2180, -10.3660

Conversions

Conversions Part 2

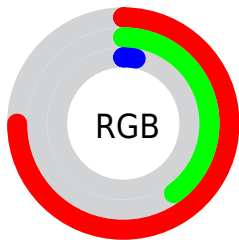
Format	Color
R _Y B	180, 190, 7
Decimal	12477703
CIE Lab	52.14, 30.57, 58.80
CIE LCh	52, 66.268, 62.533
Yxy	20.2699, 0.5297, 0.4141
Android (android.graphics.Color)	4290667783 (0xFFBE6507)
YUV	116.8950, -54.1782, 64.1131
Hunter-Lab	45.0221, 24.0103, 27.8927

Details

The Yxy color **20.2699, 0.5297, 0.4141** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.1563, 0.1785, 0.1598**, and the grayscale version is **17.9124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8832, 0.4891, 0.4084**, and **7.2018, 0.5647, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **19.5941, 0.5371, 0.4117**, and if you desaturate by 10%, it is **22.2287, 0.5089, 0.4186**.

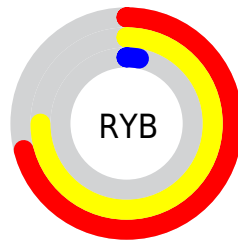
Distribution



Red (75%)

Green (40%)

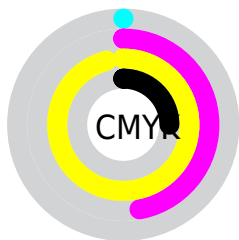
Blue (3%)



Red (71%)

Yellow (75%)

Blue (3%)

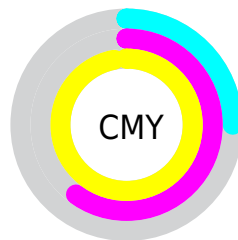


Cyan (0%)

Magenta (47%)

Yellow (96%)

Black (25%)



Cyan (25%)


Magenta (60%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2699, 0.5297, 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 20.2699, 0.5297, 0.4141 by changing the saturation by 10% instead.


 20.2699, 0.5297,
0.4141


 20.2699, 0.5297,
0.4141

253.3725, 0.4155,
0.3832


 12.5914, 0.5549,
0.4133

 43.8692, 0.4894,
0.4082


 7.1478, 0.5894,
0.4106


 60.5588, 0.4736,
0.4042


 3.5547, 0.6132,
0.3868

 81.0209, 0.4601,
0.4001

 1.4277, 0.6510,
0.3490

 105.6399, 0.4485,
0.3962

 0.2370, 0.8050,
0.1950


 134.8002, 0.4385,
0.3925


 0.0000, 0.0000,
0.0000


 168.8861, 0.4298,

0.3892


 208.2821, 0.4222,
0.3861


 20.2699, 0.5297,
0.4141

 20.2699, 0.5297,
0.4141

 19.5941, 0.5371,
0.4117

 22.2287, 0.5089,
0.4186

 24.4506, 0.4846,
0.4177

 26.9530, 0.4582,
0.4119

 29.7495, 0.4314,
0.4025

 32.8524, 0.4055,
0.3906

■ 36.2731, 0.3814,
0.3773

■ 40.0223, 0.3594,
0.3635

■ 44.1099, 0.3398,
0.3499

■ 48.5455, 0.3224,
0.3368

Harmonies

Analogous

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



20.2699, 0.5395, 0.3366



20.2699, 0.5297, 0.4141



20.2699, 0.4582, 0.4968

Triad

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



20.2699, 0.5297, 0.4141



20.2699, 0.1690, 0.3826



20.2699, 0.2295, 0.1713

Complementary

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



20.2699, 0.5297, 0.4141



12.1563, 0.1785, 0.1598

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.



20.2699, 0.1595, 0.1628



20.2699, 0.5297, 0.4141



20.2699, 0.1289, 0.2554

Square

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



20.2699, 0.5297, 0.4141



20.2699, 0.2523, 0.5189



20.2699, 0.1275, 0.1865



20.2699, 0.3408, 0.2074

Rectangle

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



20.2699, 0.5297, 0.4141



20.2699, 0.3929, 0.5422



20.2699, 0.1275, 0.1865



20.2699, 0.2015, 0.1653

Sweetspot

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



20.2710, 0.5297, 0.4141



70.2630, 0.3662, 0.3680



11.9953, 0.4873, 0.2483



14.7868, 0.3758, 0.3739



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



20.2710, 0.5297, 0.4141



35.0062, 0.5394, 0.4099



47.7910, 0.4186, 0.5040



10.3243, 0.3276, 0.3408



13.1864, 0.5351, 0.4133



0.6471, 0.5003, 0.4410

Inverse Universe

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



12.1563, 0.1785, 0.1598



20.2640, 0.1751, 0.1503



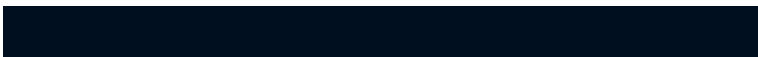
3.9191, 0.1517, 0.0629



9.9712, 0.2984, 0.3169



7.7729, 0.1765, 0.1554



0.4355, 0.1889, 0.1999

Previews

White Background



This preview shows how the Yxy color 20.2699, 0.5297, 0.4141 looks on a white 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

Black Background



This preview shows how the Yxy color 20.2699, 0.5297, 0.4141 looks on a black 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

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

Yxy 20.2699, 0.5297, 0.4141

Background



This preview shows how black text looks on a background with the Yxy color 20.2699, 0.5297, 0.4141.



This preview shows how white text looks on a background with the Yxy color 20.2699, 0.5297, 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

20.2699, 0.5297, 0.4141

Protanopia

20.3704, 0.4356, 0.4818

Deuteranopia

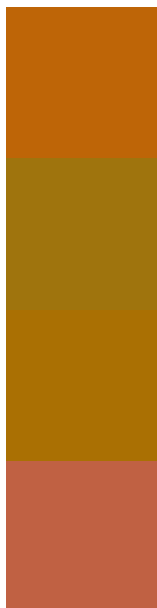
20.4628, 0.4702, 0.4649



Tritanopia

20.2824, 0.4474, 0.3201

Trichromacy



Original Color

20.2699, 0.5297, 0.4141

Protanomaly

19.8908, 0.4724, 0.4558

Deuteranomaly

20.1410, 0.4940, 0.4444

Tritanomaly

20.1611, 0.4917, 0.3668

Monochromacy



Original Color

20.2699, 0.5297, 0.4141

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8340, 0.4041, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2699, 0.5297, 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(190, 101, 7)` looks like.

```
.text, #text, p{  
    color:rgb(190, 101, 7)  
}
```

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(190, 101, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 101, 7) }
```

Border

The CSS property to change the border of an element to Yxy 20.2699, 0.5297, 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(190, 101, 7) }
```

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

```
.border{ border-color:rgb(190, 101, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 101, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 101, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 101, 7);  
box-shadow:4px 4px 4px 4px rgb(190, 101,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2699, 0.5297, 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(190, 101, 7) }
```

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

```
.background{ background-color: rgb(190,  
101, 7) }
```

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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