

Converting Colors

$Y_{xy}(30.1727, 0.5191, 0.4105)$

Have a look what the booklet for
Yxy(30.1727, 0.5191, 0.4105)
contains.

Yxy(30.1175, 0.5190, 0.4105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.1175, 0.5190, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	E07B20
RGB	224, 123, 32
RGB Percent	88%, 48%, 13%
CMY	0.1217, 0.5176, 0.8745
CMYK	0.00, 0.45, 0.86, 0.12
HSL	28°, 76%, 50%
HSV	28°, 86%, 88%
XYZ	38.0779, 30.1175, 5.1724
YIQ	142.8250, 89.4070, -6.8890

Conversions

Conversions Part 2

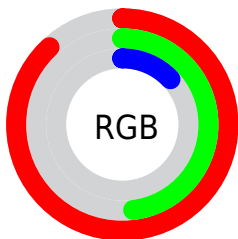
Format	Color
R _Y B	224, 205, 32
Decimal	14711584
CIE Lab	61.76, 33.44, 61.63
CIE LCh	62, 70.116, 61.514
Yxy	30.1175, 0.5190, 0.4105
Android (android.graphics.Color)	4292901664 (0xFFE07B20)
YUV	142.8250, -54.6367, 71.1905
Hunter-Lab	54.8794, 27.8127, 32.8275

Details

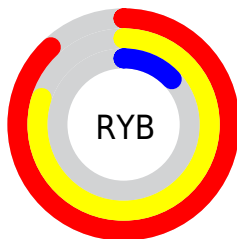
The Yxy color **30.1175, 0.5190, 0.4105** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **22.4477, 0.1892, 0.1894**, and the grayscale version is **27.5921, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9826, 0.4588, 0.4159**, and **12.4465, 0.5536, 0.3987** is the 20% darker color. If you saturate the color by 10%, you get **27.2868, 0.5415, 0.4048**, and if you desaturate by 10%, it is **33.3856, 0.4925, 0.4106**.

Distribution



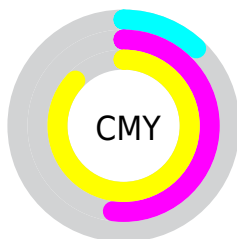
- Red (88%)
- Green (48%)
- Blue (13%)



- Red (88%)
- Yellow (80%)
- Blue (13%)



- Cyan (0%)
- Magenta (45%)
- Yellow (86%)
- Black (12%)





- Cyan (12%)
- Magenta (52%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.1175, 0.5190, 0.4105 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 30.1175, 0.5190, 0.4105 by changing the saturation by 10% instead.


 30.1175, 0.5190,
0.4105


 30.1175, 0.5190,
0.4105


302.4518, 0.4156,
0.3818


 19.9278, 0.5413,
0.4114


 59.8479, 0.4833,
0.4043

 12.3426, 0.5672,
0.4088


 80.1575, 0.4691,
0.4007


 6.9774, 0.5989,
0.4011


 104.6091, 0.4570,
0.3970

 3.4480, 0.6248,
0.3752

 133.5871, 0.4464,
0.3935

 1.3698, 0.6657,
0.3343

 167.4760, 0.4372,
0.3903

 0.1943, 0.8388,
0.1612

 206.6602, 0.4291,

 0.0000, 0.0000,

0.3872

0.0000

251.5239, 0.4220,
0.3844

■ 30.1175, 0.5190,
0.4105

■ 30.1175, 0.5190,
0.4105

■ 27.2868, 0.5415,
0.4048

■ 33.3856, 0.4925,
0.4106

■ 26.1919, 0.5502,
0.4013

■ 37.1126, 0.4640,
0.4058

■ 41.3229, 0.4352,
0.3972

■ 46.0375, 0.4077,
0.3860

■ 51.2756, 0.3823,
0.3736

 57.0552, 0.3595,
0.3606

 63.3934, 0.3393,
0.3479

 70.3062, 0.3217,
0.3357

 77.8091, 0.3064,
0.3242

Harmonies

Analogous

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



30.1175, 0.5231, 0.3364



30.1175, 0.5190, 0.4105



30.1175, 0.4553, 0.4871

Triad

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



30.1175, 0.5190, 0.4105



30.1175, 0.1805, 0.3839



30.1175, 0.2322, 0.1789

Complementary

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



30.1175, 0.5190, 0.4105



22.4477, 0.1892, 0.1894

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.



30.1175, 0.1663, 0.1721



30.1175, 0.5190, 0.4105



30.1175, 0.1396, 0.2649

Square

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



30.1175, 0.5190, 0.4105



30.1175, 0.2613, 0.5058



30.1175, 0.1365, 0.1969



30.1175, 0.3355, 0.2127

Rectangle

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



30.1175, 0.5190, 0.4105



30.1175, 0.3947, 0.5276



30.1175, 0.1365, 0.1969



30.1175, 0.2059, 0.1735

Sweetspot

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



30.1191, 0.5190, 0.4105



76.1793, 0.3605, 0.3613



18.6078, 0.4527, 0.2367



15.7110, 0.3682, 0.3658



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.1191, 0.5190, 0.4105



34.9130, 0.5513, 0.4004



65.8689, 0.4208, 0.4954



14.7671, 0.3280, 0.3401



15.4765, 0.5477, 0.4033



1.2511, 0.5228, 0.4231

Inverse Universe

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



22.4477, 0.1892, 0.1894



24.2949, 0.1787, 0.1633



7.0991, 0.1587, 0.0764



14.4302, 0.2981, 0.3176



10.8776, 0.1798, 0.1671



0.9330, 0.1872, 0.1939

Previews

White Background



This preview shows how the Yxy color 30.1175, 0.5190, 0.4105 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1175, 0.5190, 0.4105 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 ✓ Pass

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

Yxy 30.1175, 0.5190, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 30.1175, 0.5190, 0.4105.



This preview shows how white text looks on a background with the Yxy color 30.1175, 0.5190, 0.4105.

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

30.1175, 0.5190, 0.4105

Protanopia

30.2840, 0.4283, 0.4730

Deuteranopia

30.2153, 0.4674, 0.4587



Tritanopia

30.1855, 0.4424, 0.3203

Trichromacy



Original Color

30.1175, 0.5190, 0.4105

Protanomaly

29.5749, 0.4627, 0.4496

Deuteranomaly

29.9505, 0.4878, 0.4402

Tritanomaly

30.0259, 0.4797, 0.3601

Monochromacy



Original Color

30.1175, 0.5190, 0.4105

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

27.3582, 0.3912, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1175, 0.5190, 0.4105 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(224, 123, 32)` looks like.

```
.text, #text, p{  
    color:rgb(224, 123, 32)  
}
```

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(224, 123, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 123, 32) }
```

Border

The CSS property to change the border of an element to Yxy 30.1175, 0.5190, 0.4105 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(224, 123, 32) }
```

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

```
.border{ border-color:rgb(224, 123, 32) }
```

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

Here you see how a box with a 4 pixel rgb(224, 123, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 123, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 123, 32);  
box-shadow:4px 4px 4px 4px rgb(224, 123,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1175, 0.5190, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 123, 32) }
```

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

```
.background{ background-color: rgb(224,  
123, 32) }
```

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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