

Converting Colors

$Y_{xy}(30.8120, 0.5491, 0.4020)$

Have a look what the booklet for
Yxy(30.8120, 0.5491, 0.4020)
contains.

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Color

Yxy(30.7889, 0.5491, 0.4019)

Conversions

Conversions Part 1

Format	Color
Hex	F07301
RGB	240, 115, 1
RGB Percent	94%, 45%, 0%
CMY	0.0589, 0.5489, 0.9961
CMYK	0.00, 0.52, 1.00, 0.06
HSL	29°, 99%, 47%
HSV	29°, 100%, 94%
XYZ	42.0657, 30.7889, 3.7538
YIQ	139.3790, 111.0940, -8.9540

Conversions

Conversions Part 2

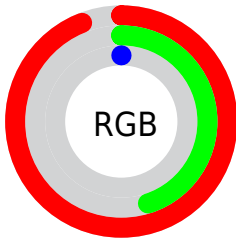
Format	Color
R_{YB}	240, 219, 1
Decimal	15758081
CIE _{Lab}	62.33, 43.41, 69.96
CIE _{LCh}	62, 82.332, 58.179
Yxy	30.7889, 0.5491, 0.4019
Android (android.graphics.Color)	4293948161 (0xFFFF07301)
YUV	139.3790, -68.2208, 88.2446
Hunter-Lab	55.4877, 38.2185, 34.8304

Details

The Yxy color **30.7889, 0.5491, 0.4019** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **21.2017, 0.1788, 0.1635**, and the grayscale version is **26.2113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0781, 0.4747, 0.4205**, and **12.7851, 0.5806, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **30.6713, 0.5499, 0.4016**, and if you desaturate by 10%, it is **33.9182, 0.5283, 0.4094**.

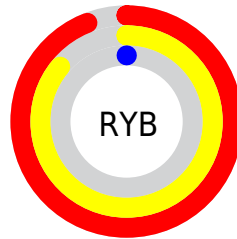
Distribution



Red (94%)

Green (45%)

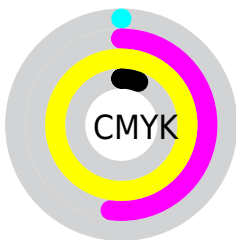
Blue (0%)



Red (94%)

Yellow (86%)

Blue (0%)

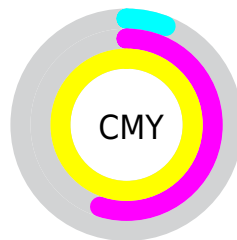


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7889, 0.5491, 0.4019 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 30.7889, 0.5491, 0.4019 by changing the saturation by 10% instead.


 30.7889, 0.5491,
0.4019


 30.7889, 0.5491,
0.4019


305.5646, 0.4339,
0.3835


 20.4382, 0.5723,
0.3986

 60.9076, 0.5106,
0.4009

 12.7139, 0.6012,
0.3923


 81.4443, 0.4949,
0.3988


 7.2319, 0.6265,
0.3735

 106.1451, 0.4813,
0.3963

 3.6075, 0.6568,
0.3432

 135.3944, 0.4693,
0.3936

 1.4565, 0.7030,
0.2970

 169.5766, 0.4588,
0.3910

 0.2578, 0.8440,
0.1560

 209.0761, 0.4495,


 0.0000, 1.0000,


0.3884


0.0000


 254.2773, 0.4413,
0.3859


 0.0000, 0.0000,
0.0000


 30.7889, 0.5491,
0.4019


 30.7889, 0.5491,
0.4019

 30.6713, 0.5499,
0.4016

 33.9182, 0.5283,
0.4094

 37.5336, 0.5034,
0.4118

 41.6750, 0.4755,
0.4089

 46.3706, 0.4466,
0.4015

 51.6458, 0.4185,
0.3912

■ 57.5239, 0.3921,
0.3790

■ 64.0265, 0.3682,
0.3660

■ 71.1740, 0.3470,
0.3530

■ 78.9857, 0.3283,
0.3404

Harmonies

Analogous

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



30.7889, 0.5503, 0.3228



30.7889, 0.5491, 0.4019



30.7889, 0.4774, 0.4908

Triad

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



30.7889, 0.5491, 0.4019



30.7889, 0.1686, 0.4102



30.7889, 0.2101, 0.1594

Complementary

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



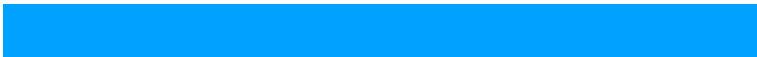
30.7889, 0.5491, 0.4019



21.2017, 0.1788, 0.1635

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.



30.7889, 0.1436, 0.1546



30.7889, 0.5491, 0.4019



30.7889, 0.1215, 0.2641

Square

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



30.7889, 0.5491, 0.4019



30.7889, 0.2611, 0.5513



30.7889, 0.1157, 0.1839



30.7889, 0.3225, 0.1929

Rectangle

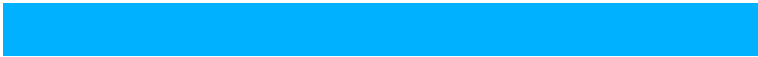
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.7889, 0.5491, 0.4019



30.7889, 0.4095, 0.5462



30.7889, 0.1157, 0.1839



30.7889, 0.1830, 0.1545

Sweetspot

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



30.7906, 0.5491, 0.4019



73.0972, 0.3694, 0.3667



20.1129, 0.4842, 0.2443



14.9543, 0.3792, 0.3722



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.



30.7906, 0.5491, 0.4019



35.1004, 0.5504, 0.4012



76.2424, 0.4252, 0.5004



17.0032, 0.3281, 0.3403



17.0564, 0.5473, 0.4036



1.6170, 0.5261, 0.4205

Inverse Universe

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



21.2017, 0.1788, 0.1635



24.0831, 0.1784, 0.1623



6.4906, 0.1506, 0.0617



16.5963, 0.2980, 0.3174



11.8081, 0.1793, 0.1655



1.1815, 0.1857, 0.1886

Previews

White Background



This preview shows how the Yxy color 30.7889, 0.5491, 0.4019 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 30.7889, 0.5491, 0.4019 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 30.7889, 0.5491, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 30.7889, 0.5491, 0.4019.



This preview shows how white text looks on a background with the Yxy color 30.7889, 0.5491, 0.4019.

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

30.7889, 0.5491, 0.4019

Protanopia

31.0567, 0.4350, 0.4835

Deuteranopia

30.7213, 0.4722, 0.4633



Tritanopia

30.7850, 0.4738, 0.3223

Trichromacy



Original Color

30.7889, 0.5491, 0.4019

Protanomaly

30.0990, 0.4787, 0.4529

Deuteranomaly

30.3304, 0.5024, 0.4393

Tritanomaly

30.5101, 0.5178, 0.3640

Monochromacy



Original Color

30.7889, 0.5491, 0.4019

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.9166, 0.4158, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7889, 0.5491, 0.4019 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(240, 115, 1)` looks like.

```
.text, #text, p{  
    color:rgb(240, 115, 1)  
}
```

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(240, 115, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 115, 1) }
```

Border

The CSS property to change the border of an element to Yxy 30.7889, 0.5491, 0.4019 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(240, 115, 1) }
```

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

```
.border{ border-color:rgb(240, 115, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 115, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 115, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 115, 1);  
box-shadow:4px 4px 4px 4px rgb(240, 115,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7889, 0.5491, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 115, 1) }
```

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

```
.background{ background-color: rgb(240,  
115, 1) }
```

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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