

Converting Colors

$Y_{xy}(30.0488, 0.5708, 0.3777)$

Have a look what the booklet for
Yxy(30.0488, 0.5708, 0.3777)
contains.

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Color

Yxy(30.0487, 0.5710, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	FE6315
RGB	254, 99, 21
RGB Percent	100%, 39%, 8%
CMY	0.0039, 0.6118, 0.9172
CMYK	0.00, 0.61, 0.92, 0.00
HSL	20°, 99%, 54%
HSV	20°, 92%, 100%
XYZ	45.4752, 30.0487, 4.1175
YIQ	136.4530, 117.4180, 8.6020

Conversions

Conversions Part 2

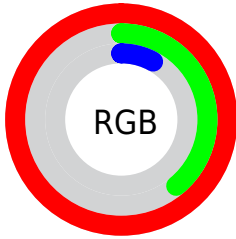
Format	Color
R_{YB}	254, 138, 21
Decimal	16671509
CIE _{Lab}	61.70, 56.17, 66.83
CIE _{LCh}	62, 87.297, 49.954
Yxy	30.0487, 0.5710, 0.3773
Android (android.graphics.Color)	4294861589 (0xFFFE6315)
YUV	136.4530, -56.9183, 103.0887
Hunter-Lab	54.8167, 52.1521, 33.9182

Details

The Yxy color **30.0487, 0.5710, 0.3773** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **38.4168, 0.1967, 0.2239**, and the grayscale version is **24.9886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2385, 0.4830, 0.4024**, and **12.4047, 0.6147, 0.3501** is the 20% darker color. If you saturate the color by 10%, you get **27.5623, 0.5908, 0.3691**, and if you desaturate by 10%, it is **33.7425, 0.5411, 0.3834**.

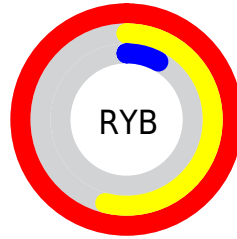
Distribution



Red (100%)

Green (39%)

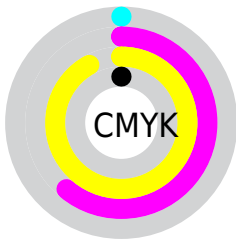
Blue (8%)



Red (100%)

Yellow (54%)

Blue (8%)

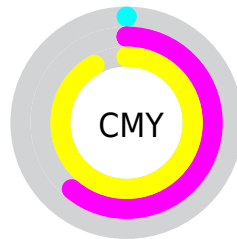


Cyan (0%)

Magenta (61%)

Yellow (92%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.0487, 0.5710, 0.3773 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 30.0487, 0.5710, 0.3773 by changing the saturation by 10% instead.


 30.0487, 0.5710,
0.3773


 30.0487, 0.5710,
0.3773


302.1314, 0.4432,
0.3725


 19.8756, 0.5977,
0.3708

 59.7392, 0.5276,
0.3813


 12.3046, 0.6299,
0.3598


 80.0253, 0.5102,
0.3810


 6.9515, 0.6624,
0.3376


 104.4512, 0.4950,
0.3801


 3.4318, 0.6984,
0.3016

 133.4013, 0.4819,
0.3788

 1.3611, 0.7514,
0.2486

 167.2600, 0.4703,
0.3773

 0.1878, 0.9039,
0.0961


 206.4116, 0.4602,


 0.0000, 1.0000,


0.3757


0.0000

 251.2406, 0.4512,
0.3741

 0.0000, 0.0000,
0.0000

 30.0487, 0.5710,
0.3773


 30.0487, 0.5710,
0.3773


 27.5623, 0.5908,
0.3691


 33.7425, 0.5411,
0.3834

 38.2623, 0.5065,
0.3845

 43.6636, 0.4707,
0.3812


 49.9947, 0.4361,
0.3748

 57.2998, 0.4047,
0.3665

 65.6201, 0.3769,
0.3573

 74.9943, 0.3530,
0.3480

 85.4587, 0.3326,
0.3389

 97.0482, 0.3154,
0.3304

Harmonies

Analogous

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



30.0487, 0.5482, 0.2988



30.0487, 0.5710, 0.3773



30.0487, 0.5084, 0.4681

Triad

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



30.0487, 0.5710, 0.3773



30.0487, 0.1817, 0.4654



30.0487, 0.1807, 0.1472

Complementary

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



30.0487, 0.5710, 0.3773



38.4168, 0.1967, 0.2239

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.



30.0487, 0.1244, 0.1505



30.0487, 0.5710, 0.3773



30.0487, 0.1204, 0.2943

Square

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



30.0487, 0.5710, 0.3773



30.0487, 0.2866, 0.5880



30.0487, 0.1051, 0.1918



30.0487, 0.2851, 0.1738

Rectangle

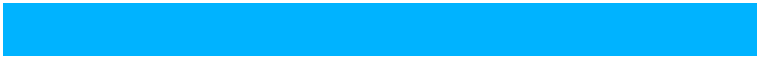
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.0487, 0.5710, 0.3773



30.0487, 0.4408, 0.5326



30.0487, 0.1051, 0.1918



30.0487, 0.1571, 0.1448

Sweetspot

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



30.0504, 0.5710, 0.3773



69.5613, 0.3677, 0.3538



24.7633, 0.4181, 0.2112



14.0499, 0.3786, 0.3579



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.



30.0504, 0.5710, 0.3773



27.8007, 0.5909, 0.3690



69.8289, 0.4479, 0.4785



18.9795, 0.3286, 0.3370



14.7708, 0.5879, 0.3714



1.6298, 0.5660, 0.3888

Inverse Universe

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



38.4168, 0.1967, 0.2239



35.8658, 0.1926, 0.2134



10.5407, 0.1584, 0.0842



19.3979, 0.2980, 0.3209



19.0270, 0.1932, 0.2155



2.0540, 0.1972, 0.2299

Previews

White Background



This preview shows how the Yxy color 30.0487, 0.5710, 0.3773 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 30.0487, 0.5710, 0.3773 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 30.0487, 0.5710, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 30.0487, 0.5710, 0.3773.



This preview shows how white text looks on a background with the Yxy color 30.0487, 0.5710, 0.3773.

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

30.0487, 0.5710, 0.3773

Protanopia

30.2589, 0.4301, 0.4757

Deuteranopia

30.1648, 0.4715, 0.4639



Tritanopia

29.9896, 0.5126, 0.3242

Trichromacy



Original Color

30.0487, 0.5710, 0.3773

Protanomaly

28.4685, 0.4877, 0.4352

Deuteranomaly

29.0854, 0.5137, 0.4275

Tritanomaly

29.8994, 0.5425, 0.3491

Monochromacy



Original Color

30.0487, 0.5710, 0.3773

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.5578, 0.4188, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0487, 0.5710, 0.3773 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(254, 99, 21)` looks like.

```
.text, #text, p{  
  color:rgb(254, 99, 21)  
}
```

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(254, 99, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 99, 21) }
```

Border

The CSS property to change the border of an element to Yxy 30.0487, 0.5710, 0.3773 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(254, 99, 21) }
```

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

```
.border{ border-color:rgb(254, 99, 21) }
```

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

Here you see how a box with a 4 pixel rgb(254, 99, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 99, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 99, 21);  
box-shadow:4px 4px 4px 4px rgb(254, 99,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0487, 0.5710, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 99, 21) }
```

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

```
.background{ background-color: rgb(254, 99,  
21) }
```

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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