

Converting Colors

$Y_{xy}(30.0978, 0.5665, 0.3714)$

Have a look what the booklet for
Yxy(30.0978, 0.5665, 0.3714)
contains.

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Color

Yxy(30.1227, 0.5662, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	FF6224
RGB	255, 98, 36
RGB Percent	100%, 38%, 14%
CMY	0.0001, 0.6156, 0.8589
CMYK	0.00, 0.62, 0.86, 0.00
HSL	17°, 100%, 57%
HSV	17°, 86%, 100%
XYZ	45.9221, 30.1227, 5.0610
YIQ	137.8750, 113.4740, 14.0020

Conversions

Conversions Part 2

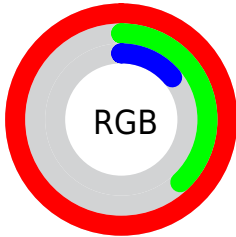
Format	Color
R_{YB}	255, 122, 36
Decimal	16736804
CIE Lab	61.76, 57.17, 62.16
CIE LCh	62, 84.452, 47.394
Yxy	30.1227, 0.5662, 0.3714
Android (android.graphics.Color)	4294926884 (0xFFFF6224)
YUV	137.8750, -50.2244, 102.7186
Hunter-Lab	54.8842, 53.3055, 32.9516

Details

The Yxy color **30.1227, 0.5662, 0.3714** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **45.7067, 0.2045, 0.2471**, and the grayscale version is **25.5308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0758, 0.4757, 0.3930**, and **12.3982, 0.6170, 0.3483** is the 20% darker color. If you saturate the color by 10%, you get **26.9810, 0.5941, 0.3631**, and if you desaturate by 10%, it is **34.1592, 0.5312, 0.3751**.

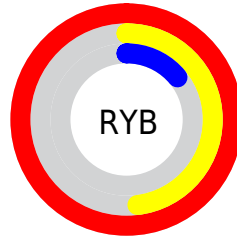
Distribution



Red (100%)

Green (38%)

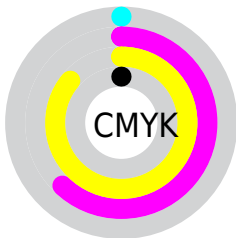
Blue (14%)



Red (100%)

Yellow (48%)

Blue (14%)

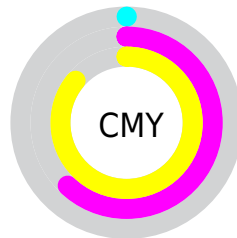


Cyan (0%)

Magenta (62%)

Yellow (86%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1227, 0.5662, 0.3714 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 30.1227, 0.5662, 0.3714 by changing the saturation by 10% instead.


 30.1227, 0.5662,
0.3714


 30.1227, 0.5662,
0.3714


302.4760, 0.4389,
0.3675


 19.9317, 0.5938,
0.3654


 59.8562, 0.5222,
0.3751

 12.3454, 0.6260,
0.3543


 80.1675, 0.5048,
0.3749

 6.9794, 0.6647,
0.3353


 104.6210, 0.4898,
0.3741

 3.4492, 0.7010,
0.2990

 133.6012, 0.4768,
0.3730

 1.3705, 0.7541,
0.2459

 167.4923, 0.4655,
0.3717

 0.1948, 0.9032,
0.0968

 206.6789, 0.4555,

 0.0000, 1.0000,

0.3703

0.0000

251.5453, 0.4467,
0.3689

■ 0.0000, 0.0000,
0.0000

■ 30.1227, 0.5662,
0.3714

■ 30.1227, 0.5662,
0.3714

■ 26.9810, 0.5941,
0.3631

■ 34.1592, 0.5312,
0.3751

■ 25.9230, 0.6034,
0.3591

■ 39.1542, 0.4931,
0.3745


■ 45.1705, 0.4554,
0.3703

■ 52.2637, 0.4206,
0.3639

■ 60.4850, 0.3899,
0.3564

 69.8821, 0.3635,
0.3485

 80.5000, 0.3411,
0.3406

 92.3812, 0.3223,
0.3332

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



30.1227, 0.5341, 0.2944



30.1227, 0.5662, 0.3714



30.1227, 0.5123, 0.4591

Triad

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



30.1227, 0.5662, 0.3714



30.1227, 0.1935, 0.4748



30.1227, 0.1777, 0.1504

Complementary

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



30.1227, 0.5662, 0.3714



45.7067, 0.2045, 0.2471

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.



30.1227, 0.1256, 0.1566



30.1227, 0.5662, 0.3714



30.1227, 0.1284, 0.3083

Square

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



30.1227, 0.5662, 0.3714



30.1227, 0.2988, 0.5817



30.1227, 0.1094, 0.2018



30.1227, 0.2757, 0.1741

Rectangle

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



30.1227, 0.5662, 0.3714



30.1227, 0.4488, 0.5212



30.1227, 0.1094, 0.2018



30.1227, 0.1558, 0.1489

Sweetspot

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



30.1244, 0.5662, 0.3714



69.7813, 0.3637, 0.3485



26.5298, 0.3891, 0.1989



14.2111, 0.3724, 0.3513



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.



30.1244, 0.5662, 0.3714



25.9263, 0.6034, 0.3591



64.5150, 0.4560, 0.4661



18.8249, 0.3287, 0.3358



13.7642, 0.6006, 0.3613



1.5162, 0.5785, 0.3788

Inverse Universe

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



45.7067, 0.2045, 0.2471



40.9866, 0.1978, 0.2321



14.4230, 0.1671, 0.1086



19.5605, 0.2980, 0.3221



21.6831, 0.1983, 0.2339



2.2971, 0.2017, 0.2460

Previews

White Background



This preview shows how the Yxy color 30.1227, 0.5662, 0.3714 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 30.1227, 0.5662, 0.3714 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 30.1227, 0.5662, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 30.1227, 0.5662, 0.3714.



This preview shows how white text looks on a background with the Yxy color 30.1227, 0.5662, 0.3714.

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

30.1227, 0.5662, 0.3714

Protanopia

30.2499, 0.4218, 0.4658

Deuteranopia

30.1692, 0.4711, 0.4634



Tritanopia

30.1663, 0.5119, 0.3251

Trichromacy



Original Color

30.1227, 0.5662, 0.3714

Protanomaly

28.5566, 0.4803, 0.4270

Deuteranomaly

29.0995, 0.5124, 0.4262

Tritanomaly

29.9662, 0.5375, 0.3454

Monochromacy



Original Color

30.1227, 0.5662, 0.3714

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.9293, 0.4126, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1227, 0.5662, 0.3714 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(255, 98, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 98, 36)  
}
```

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(255, 98, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 98, 36) }
```

Border

The CSS property to change the border of an element to Yxy 30.1227, 0.5662, 0.3714 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(255, 98, 36) }
```

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

```
.border{ border-color:rgb(255, 98, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 98, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 98, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 98, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 98,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1227, 0.5662, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 98, 36) }
```

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

```
.background{ background-color: rgb(255, 98,  
36) }
```

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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