

Converting Colors

$Yxy(29.9205, 0.5744, 0.3764)$

Have a look what the booklet for
Yxy(29.9205, 0.5744, 0.3764)
contains.

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Color

Yxy(29.8499, 0.5748, 0.3762)

Conversions

Conversions Part 1

Format	Color
Hex	FF6111
RGB	255, 97, 17
RGB Percent	100%, 38%, 7%
CMY	0.0001, 0.6195, 0.9333
CMYK	0.00, 0.62, 0.93, 0.00
HSL	20°, 100%, 53%
HSV	20°, 93%, 100%
XYZ	45.6080, 29.8499, 3.8879
YIQ	135.1220, 119.8480, 8.6160

Conversions

Conversions Part 2

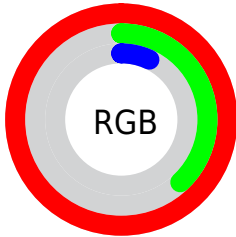
Format	Color
R_{YB}	255, 138, 17
Decimal	16736529
CIE Lab	61.52, 57.29, 67.80
CIE LCh	62, 88.765, 49.805
Yxy	29.8499, 0.5748, 0.3762
Android (android.graphics.Color)	4294926609 (0xFFFF6111)
YUV	135.1220, -58.2341, 105.1330
Hunter-Lab	54.6351, 53.3960, 34.0253

Details

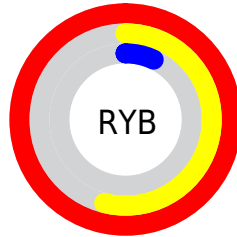
The Yxy color **29.8499, 0.5748, 0.3762** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **37.9700, 0.1956, 0.2211**, and the grayscale version is **24.4687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5505, 0.4862, 0.4018**, and **12.3334, 0.6179, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **27.8713, 0.5904, 0.3694**, and if you desaturate by 10%, it is **33.4510, 0.5460, 0.3832**.

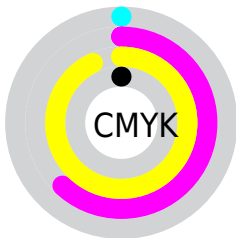
Distribution



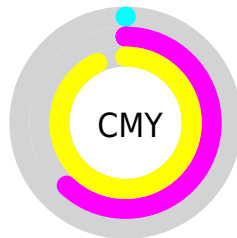
- Red (100%)
- Green (38%)
- Blue (7%)



- Red (100%)
- Yellow (54%)
- Blue (7%)



- Cyan (0%)
- Magenta (62%)
- Yellow (93%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8499, 0.5748, 0.3762 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 29.8499, 0.5748, 0.3762 by changing the saturation by 10% instead.


 29.8499, 0.5748,
0.3762


 29.8499, 0.5748,
0.3762


301.2042, 0.4454,
0.3727


 19.7247, 0.6015,
0.3692


 59.4247, 0.5310,
0.3808


 12.1951, 0.6344,
0.3578


 79.6431, 0.5134,
0.3808


 6.8767, 0.6657,
0.3343


 103.9947, 0.4981,
0.3800

 3.3851, 0.7024,
0.2976

 132.8639, 0.4847,
0.3788

 1.3359, 0.7560,
0.2440

 166.6350, 0.4730,
0.3774

 0.1688, 0.9135,
0.0865

 205.6925, 0.4627,


 0.0000, 1.0000,


0.3758


0.0000


 250.4208, 0.4536,
0.3743

 0.0000, 0.0000,
0.0000


 29.8499, 0.5748,
0.3762

 29.8499, 0.5748,
0.3762

 27.8713, 0.5904,
0.3694


 33.4510, 0.5460,
0.3832

 37.8727, 0.5121,
0.3850


 43.1717, 0.4763,
0.3823

 49.3972, 0.4415,
0.3762

 56.5940, 0.4095,
0.3681

 64.8041, 0.3812,
0.3590

 74.0664, 0.3567,
0.3496

 84.4178, 0.3357,
0.3404

 95.8936, 0.3180,
0.3318

Harmonies

Analogous

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



29.8499, 0.5519, 0.2974



29.8499, 0.5748, 0.3762



29.8499, 0.5107, 0.4681

Triad

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



29.8499, 0.5748, 0.3762



29.8499, 0.1797, 0.4692



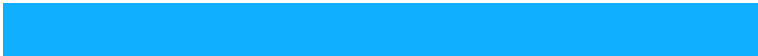
29.8499, 0.1784, 0.1449

Complementary

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



29.8499, 0.5748, 0.3762



37.9700, 0.1956, 0.2211

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.



29.8499, 0.1219, 0.1482



29.8499, 0.5748, 0.3762



29.8499, 0.1179, 0.2939

Square

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



29.8499, 0.5748, 0.3762



29.8499, 0.2858, 0.5937



29.8499, 0.1026, 0.1898



29.8499, 0.2838, 0.1716

Rectangle

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



29.8499, 0.5748, 0.3762



29.8499, 0.4419, 0.5341



29.8499, 0.1026, 0.1898



29.8499, 0.1547, 0.1425

Sweetspot

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



29.8516, 0.5748, 0.3762



69.6282, 0.3676, 0.3540



24.7759, 0.4205, 0.2116



14.0657, 0.3785, 0.3580



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.



29.8516, 0.5748, 0.3762



27.8786, 0.5904, 0.3694



70.0530, 0.4490, 0.4787



18.9854, 0.3286, 0.3371



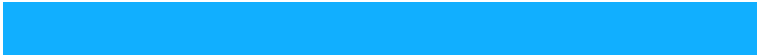
14.8125, 0.5874, 0.3718



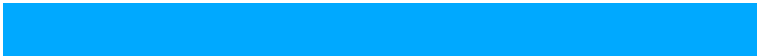
1.6343, 0.5655, 0.3892

Inverse Universe

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



37.9700, 0.1956, 0.2211



35.6823, 0.1924, 0.2127



10.2302, 0.1572, 0.0815



19.3918, 0.2980, 0.3208



18.9317, 0.1930, 0.2148



2.0452, 0.1970, 0.2293

Previews

White Background



This preview shows how the Yxy color 29.8499, 0.5748, 0.3762 looks on a white background.

Color Contrast Check

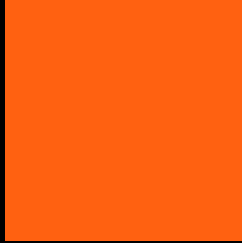
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8499, 0.5748, 0.3762 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 29.8499, 0.5748, 0.3762

Background



This preview shows how black text looks on a background with the Yxy color 29.8499, 0.5748, 0.3762.



This preview shows how white text looks on a background with the Yxy color 29.8499, 0.5748, 0.3762.

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

29.8499, 0.5748, 0.3762

Protanopia

29.9240, 0.4325, 0.4766

Deuteranopia

29.7411, 0.4718, 0.4636



Tritanopia

29.7774, 0.5157, 0.3252

Trichromacy



Original Color

29.8499, 0.5748, 0.3762

Protanomaly

28.3238, 0.4912, 0.4348

Deuteranomaly

28.6774, 0.5146, 0.4275

Tritanomaly

29.6828, 0.5463, 0.3503

Monochromacy



Original Color

29.8499, 0.5748, 0.3762

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.0312, 0.4228, 0.3714

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8499, 0.5748, 0.3762 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, 97, 17)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 17)  
}
```

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, 97, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 17) }
```

Border

The CSS property to change the border of an element to Yxy 29.8499, 0.5748, 0.3762 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, 97, 17) }
```

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

```
.border{ border-color:rgb(255, 97, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 97, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 17);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8499, 0.5748, 0.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 17) }
```

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

```
.background{ background-color: rgb(255, 97,  
17) }
```

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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