

Converting Colors

$Y_{xy}(30.6037, 0.5652, 0.3868)$

Have a look what the booklet for
Yxy(30.6037, 0.5652, 0.3868)
contains.

Yxy(30.4469, 0.5653, 0.3866)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.4469, 0.5653, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	FA6909
RGB	250, 105, 9
RGB Percent	98%, 41%, 4%
CMY	0.0197, 0.5881, 0.9648
CMYK	0.00, 0.58, 0.96, 0.02
HSL	24°, 96%, 51%
HSV	24°, 96%, 98%
XYZ	44.5205, 30.4469, 3.7881
YIQ	137.4110, 117.2360, 0.8840

Conversions

Conversions Part 2

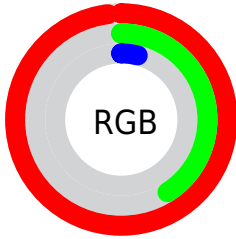
Format	Color
R_{YB}	250, 169, 9
Decimal	16410889
CIE _{Lab}	62.04, 51.94, 69.26
CIE _{LCh}	62, 86.569, 53.132
Yxy	30.4469, 0.5653, 0.3866
Android (android.graphics.Color)	4294600969 (0xFFFA6909)
YUV	137.4110, -63.3066, 98.7406
Hunter-Lab	55.1787, 47.4586, 34.5547

Details

The Yxy color **30.4469, 0.5653, 0.3866** 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 **30.0505, 0.1881, 0.1956**, and the grayscale version is **25.3943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8695, 0.4817, 0.4107**, and **12.5955, 0.6032, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **29.3625, 0.5732, 0.3831**, and if you desaturate by 10%, it is **33.8837, 0.5404, 0.3944**.

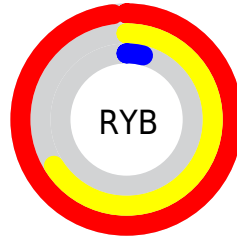
Distribution



Red (98%)

Green (41%)

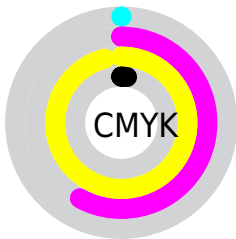
Blue (4%)



Red (98%)

Yellow (66%)

Blue (4%)

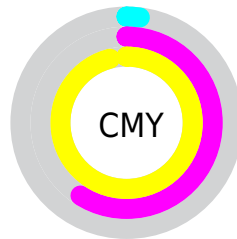


Cyan (0%)

Magenta (58%)

Yellow (96%)

Black (2%)



Cyan (2%)


Magenta (59%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4469, 0.5653, 0.3866 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 30.4469, 0.5653, 0.3866 by changing the saturation by 10% instead.


 30.4469, 0.5653,
0.3866


 30.4469, 0.5653,
0.3866


303.9820, 0.4415,
0.3774

 20.1780, 0.5905,
0.3810


 60.3682, 0.5237,
0.3892


 12.5245, 0.6218,
0.3715


 80.7895, 0.5069,
0.3883

 7.1020, 0.6504,
0.3496


 105.3636, 0.4922,
0.3869

 3.5260, 0.6846,
0.3154

 134.4751, 0.4794,
0.3851

 1.4121, 0.7353,
0.2647

 168.5083, 0.4681,
0.3832

 0.2256, 0.8803,
0.1197

 207.8476, 0.4582,


 0.0000, 1.0000,


0.3812

0.0000

 252.8774, 0.4494,
0.3793


 0.0000, 0.0000,
0.0000


 30.4469, 0.5653,
0.3866


 30.4469, 0.5653,
0.3866


 29.3625, 0.5732,
0.3831

 33.8837, 0.5404,
0.3944

 37.9913, 0.5104,
0.3967

 42.8157, 0.4780,
0.3940

 48.3957, 0.4456,
0.3874

 54.7667, 0.4149,
0.3782

61.9614, 0.3872,
0.3677

70.0104, 0.3626,
0.3567

78.9426, 0.3414,
0.3458

88.7854, 0.3230,
0.3353

Harmonies

Analogous

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



30.4469, 0.5528, 0.3075



30.4469, 0.5653, 0.3866



30.4469, 0.4975, 0.4780

Triad

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



30.4469, 0.5653, 0.3866



30.4469, 0.1744, 0.4447



30.4469, 0.1905, 0.1502

Complementary

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



30.4469, 0.5653, 0.3866



30.0505, 0.1881, 0.1956

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.



30.4469, 0.1300, 0.1502



30.4469, 0.5653, 0.3866



30.4469, 0.1186, 0.2806

Square

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



30.4469, 0.5653, 0.3866



30.4469, 0.2754, 0.5787



30.4469, 0.1072, 0.1866



30.4469, 0.2995, 0.1797

Rectangle

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



30.4469, 0.5653, 0.3866



30.4469, 0.4288, 0.5405



30.4469, 0.1072, 0.1866



30.4469, 0.1654, 0.1468

Sweetspot

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



30.4486, 0.5653, 0.3866



70.9487, 0.3688, 0.3596



22.9705, 0.4440, 0.2234



14.4143, 0.3792, 0.3643



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.



30.4486, 0.5653, 0.3866



30.6885, 0.5734, 0.3829



72.5113, 0.4404, 0.4871



18.3603, 0.3284, 0.3385



15.8398, 0.5703, 0.3854



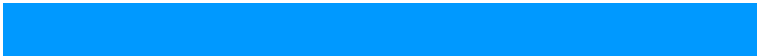
1.6679, 0.5485, 0.4027

Inverse Universe

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



30.0505, 0.1881, 0.1956



30.1266, 0.1861, 0.1901



8.2884, 0.1536, 0.0706



18.3799, 0.2980, 0.3193



15.5833, 0.1869, 0.1927



1.6505, 0.1918, 0.2106

Previews

White Background



This preview shows how the Yxy color 30.4469, 0.5653, 0.3866 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 30.4469, 0.5653, 0.3866 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 30.4469, 0.5653, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 30.4469, 0.5653, 0.3866.



This preview shows how white text looks on a background with the Yxy color 30.4469, 0.5653, 0.3866.

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

30.4469, 0.5653, 0.3866

Protanopia

30.6428, 0.4336, 0.4811

Deuteranopia

30.5921, 0.4712, 0.4641



Tritanopia

30.6175, 0.5013, 0.3240

Trichromacy



Original Color

30.4469, 0.5653, 0.3866

Protanomaly

29.1065, 0.4866, 0.4434

Deuteranomaly

29.7041, 0.5098, 0.4324

Tritanomaly

30.4325, 0.5372, 0.3564

Monochromacy



Original Color

30.4469, 0.5653, 0.3866

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.8704, 0.4209, 0.3801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4469, 0.5653, 0.3866 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(250, 105, 9)` looks like.

```
.text, #text, p{  
    color:rgb(250, 105, 9)  
}
```

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(250, 105, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 105, 9) }
```

Border

The CSS property to change the border of an element to Yxy 30.4469, 0.5653, 0.3866 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(250, 105, 9) }
```

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

```
.border{ border-color:rgb(250, 105, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 105, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 105, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 105, 9);  
box-shadow:4px 4px 4px 4px rgb(250, 105,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4469, 0.5653, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 105, 9) }
```

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

```
.background{ background-color: rgb(250,  
105, 9) }
```

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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