

Converting Colors

$Y_{xy}(32.6832, 0.5625, 0.3916)$

Have a look what the booklet for
Yxy(32.6832, 0.5625, 0.3916)
contains.

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Color

Yxy(32.6289, 0.5628, 0.3913)

Conversions

Conversions Part 1

Format	Color
Hex	FF6F00
RGB	255, 111, 0
RGB Percent	100%, 44%, 0%
CMY	0.0000, 0.5647, 0.9996
CMYK	0.00, 0.56, 1.00, 0.00
HSL	26°, 100%, 50%
HSV	26°, 100%, 100%
XYZ	46.9296, 32.6289, 3.8274
YIQ	141.4020, 121.4550, -3.9930

Conversions

Conversions Part 2

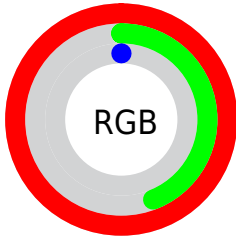
Format	Color
R_{YB}	255, 197, 0
Decimal	16740096
CIE _{Lab}	63.86, 50.97, 72.17
CIE _{LCh}	64, 88.356, 54.770
Yxy	32.6289, 0.5628, 0.3913
Android (android.graphics.Color)	4294930176 (0xFFFF6F00)
YUV	141.4020, -69.7112, 99.6254
Hunter-Lab	57.1217, 46.6875, 36.0125

Details

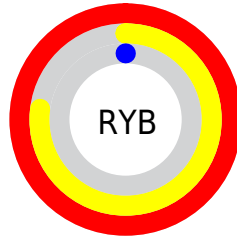
The Yxy color **32.6289, 0.5628, 0.3913** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.2017, 0.1825, 0.1771**, and the grayscale version is **27.0489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9746, 0.4774, 0.4177**, and **13.8734, 0.5965, 0.3646** is the 20% darker color. If you saturate the color by 10%, you get **32.6142, 0.5629, 0.3913**, and if you desaturate by 10%, it is **36.1016, 0.5407, 0.4000**.

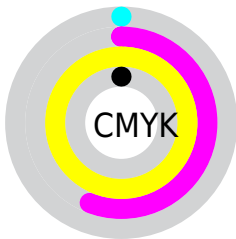
Distribution



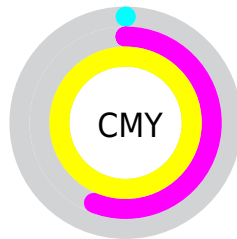
- Red (100%)
- Green (44%)
- Blue (0%)



- Red (100%)
- Yellow (77%)
- Blue (0%)



- Cyan (0%)
- Magenta (56%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (56%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6289, 0.5628, 0.3913 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 32.6289, 0.5628, 0.3913 by changing the saturation by 10% instead.


 32.6289, 0.5628,
0.3913

 32.6289, 0.5628,
0.3913


313.9742, 0.4424,
0.3804


 21.8423, 0.5868,
0.3862


 63.7957, 0.5229,
0.3932


 13.7411, 0.6160,
0.3774


 84.9447, 0.5066,
0.3922


 7.9408, 0.6428,
0.3572


 110.3167, 0.4923,
0.3905

 4.0571, 0.6745,
0.3255

 140.2960, 0.4797,
0.3886

 1.7056, 0.7211,
0.2789

 175.2669, 0.4687,
0.3865


 0.4272, 0.8193,
0.1807


 215.6141, 0.4589,


 0.0000, 1.0000,


0.3844


0.0000


 261.7217, 0.4502,
0.3824


 0.0000, 0.0000,
0.0000

 32.6289, 0.5628,
0.3913


 32.6289, 0.5628,
0.3913


 32.6142, 0.5629,
0.3913

 36.1016, 0.5407,
0.4000

 40.1997, 0.5140,
0.4036

 44.9720, 0.4840,
0.4019

 50.4563, 0.4530,
0.3957

 56.6863, 0.4230,
0.3864

63.6932, 0.3952,
0.3753

71.5060, 0.3702,
0.3634

80.1520, 0.3482,
0.3515

89.6570, 0.3291,
0.3399

Harmonies

Analogous

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



32.6289, 0.5556, 0.3118



32.6289, 0.5628, 0.3913



32.6289, 0.4922, 0.4831

Triad

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



32.6289, 0.5628, 0.3913



32.6289, 0.1704, 0.4346



32.6289, 0.1954, 0.1513

Complementary

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



32.6289, 0.5628, 0.3913



27.2017, 0.1825, 0.1771

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.



32.6289, 0.1325, 0.1497



32.6289, 0.5628, 0.3913



32.6289, 0.1174, 0.2737

Square

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



32.6289, 0.5628, 0.3913



32.6289, 0.2695, 0.5743



32.6289, 0.1080, 0.1837



32.6289, 0.3068, 0.1824

Rectangle

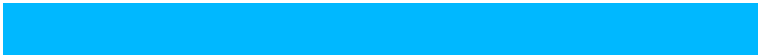
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32.6289, 0.5628, 0.3913



32.6289, 0.4227, 0.5449



32.6289, 0.1080, 0.1837



32.6289, 0.1695, 0.1474

Sweetspot

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



32.6277, 0.5628, 0.3913



71.4714, 0.3703, 0.3635



23.2927, 0.4713, 0.2370



14.5717, 0.3805, 0.3685



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.



32.6277, 0.5628, 0.3913



32.6142, 0.5629, 0.3913



82.4135, 0.4317, 0.4954



19.2870, 0.3283, 0.3394



17.3259, 0.5600, 0.3935



1.8995, 0.5402, 0.4093

Inverse Universe

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



27.2017, 0.1825, 0.1771



27.1869, 0.1825, 0.1770



7.6247, 0.1509, 0.0630



19.0809, 0.2979, 0.3184



14.5084, 0.1832, 0.1796



1.6301, 0.1884, 0.1982

Previews

White Background



This preview shows how the Yxy color 32.6289, 0.5628, 0.3913 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 32.6289, 0.5628, 0.3913 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 32.6289, 0.5628, 0.3913

Background



This preview shows how black text looks on a background with the Yxy color 32.6289, 0.5628, 0.3913.



This preview shows how white text looks on a background with the Yxy color 32.6289, 0.5628, 0.3913.

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

32.6289, 0.5628, 0.3913

Protanopia

32.9568, 0.4350, 0.4822

Deuteranopia

32.6032, 0.4719, 0.4635



Tritanopia

32.7379, 0.4878, 0.3238

Trichromacy



Original Color

32.6289, 0.5628, 0.3913

Protanomaly

31.6280, 0.4858, 0.4471

Deuteranomaly

31.8019, 0.5079, 0.4349

Tritanomaly

32.4401, 0.5311, 0.3609

Monochromacy



Original Color

32.6289, 0.5628, 0.3913

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6485, 0.4217, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6289, 0.5628, 0.3913 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, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 111, 0)  
}
```

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, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.6289, 0.5628, 0.3913 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, 111, 0) }
```

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

```
.border{ border-color:rgb(255, 111, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 111, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 111,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6289, 0.5628, 0.3913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 111, 0) }
```

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

```
.background{ background-color: rgb(255,  
111, 0) }
```

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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