

Converting Colors

$Y_{xy}(20.6531, 0.5952, 0.3656)$

Have a look what the booklet for
Yxy(20.6531, 0.5952, 0.3656)
contains.

Yxy(20.6752, 0.5949, 0.3659)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6752, 0.5949, 0.3659)

Conversions

Conversions Part 1

Format	Color
Hex	E24700
RGB	226, 71, 0
RGB Percent	89%, 28%, 0%
CMY	0.1138, 0.7215, 1.0000
CMYK	0.00, 0.69, 1.00, 0.11
HSL	19°, 100%, 44%
HSV	19°, 100%, 89%
XYZ	33.6149, 20.6752, 2.2150
YIQ	109.2510, 115.1710, 10.7790

Conversions

Conversions Part 2

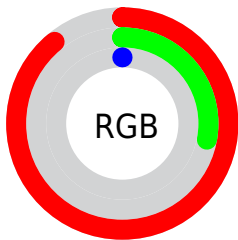
Format	Color
R_{YB}	226, 104, 0
Decimal	14829312
CIE _{Lab}	52.59, 57.93, 63.67
CIE _{LCh}	53, 86.080, 47.698
Yxy	20.6752, 0.5949, 0.3659
Android (android.graphics.Color)	4293019392 (0xFFE24700)
YUV	109.2510, -53.8607, 102.3889
Hunter-Lab	45.4700, 52.3882, 28.9408

Details

The Yxy color **20.6752, 0.5949, 0.3659** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **28.9229, 0.1949, 0.2215**, and the grayscale version is **15.5025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7757, 0.5210, 0.3857**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.6767, 0.5948, 0.3659**, and if you desaturate by 10%, it is **22.9665, 0.5697, 0.3751**.

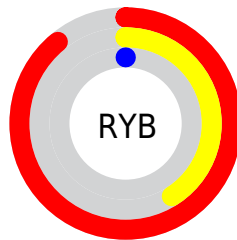
Distribution



Red (89%)

Green (28%)

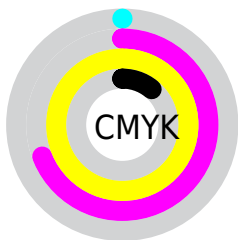
Blue (0%)



Red (89%)

Yellow (41%)

Blue (0%)

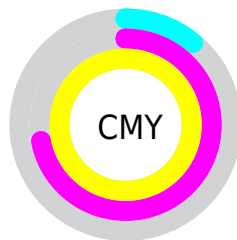


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (72%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6752, 0.5949, 0.3659 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 20.6752, 0.5949, 0.3659 by changing the saturation by 10% instead.


 20.6752, 0.5949,
0.3659


 20.6752, 0.5949,
0.3659


255.5473, 0.4485,
0.3697


 12.8868, 0.6265,
0.3547


 44.5463, 0.5442,
0.3748

 7.3506, 0.6641,
0.3359


 61.3979, 0.5241,
0.3758

 3.6823, 0.6997,
0.3003

 82.0392, 0.5067,
0.3757

 1.4975, 0.7512,
0.2488

 106.8548, 0.4918,
0.3749

 0.2870, 0.8746,
0.1254

 136.2290, 0.4788,
0.3738


 0.0000, 1.0000,
0.0000

 170.5462, 0.4674,


 0.0000, 0.0000,

0.3725

0.0000


 210.1909, 0.4574,
0.3711


 20.6752, 0.5949,
0.3659

 20.6752, 0.5949,
0.3659


 20.6767, 0.5948,
0.3659

 22.9665, 0.5697,
0.3751

 25.8643, 0.5379,
0.3802

 29.4248, 0.5021,
0.3806

 33.6902, 0.4656,
0.3770

 38.6988, 0.4310,
0.3706

■ 44.4858, 0.3998,
0.3626

■ 51.0840, 0.3726,
0.3540

■ 58.5243, 0.3492,
0.3453

■ 66.8357, 0.3294,
0.3369

Harmonies

Analogous

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



20.6752, 0.5668, 0.2861



20.6752, 0.5949, 0.3659



20.6752, 0.5269, 0.4628

Triad

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



20.6752, 0.5949, 0.3659



20.6752, 0.1737, 0.4988



20.6752, 0.1632, 0.1331

Complementary

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



20.6752, 0.5949, 0.3659



28.9229, 0.1949, 0.2215

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.



20.6752, 0.1083, 0.1381



20.6752, 0.5949, 0.3659



20.6752, 0.1073, 0.2992

Square

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



20.6752, 0.5949, 0.3659



20.6752, 0.2863, 0.6236



20.6752, 0.0905, 0.1832



20.6752, 0.2705, 0.1586

Rectangle

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



20.6752, 0.5949, 0.3659



20.6752, 0.4531, 0.5371



20.6752, 0.0905, 0.1832



20.6752, 0.1399, 0.1312

Sweetspot

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



20.6767, 0.5948, 0.3659



66.9902, 0.3731, 0.3541



18.6427, 0.4161, 0.2066



13.5240, 0.3842, 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.



20.6767, 0.5948, 0.3659



27.0177, 0.5960, 0.3650



49.1311, 0.4603, 0.4727



14.3999, 0.3284, 0.3364



11.9849, 0.5920, 0.3681



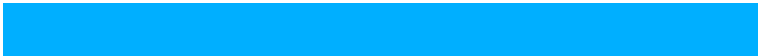
0.9875, 0.5617, 0.3922

Inverse Universe

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



28.9229, 0.1949, 0.2215



37.8258, 0.1947, 0.2208



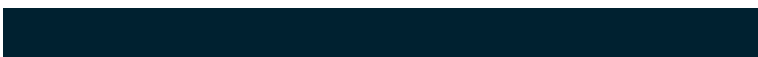
7.3825, 0.1550, 0.0780



14.8077, 0.2982, 0.3215



16.7234, 0.1954, 0.2234



1.3173, 0.2005, 0.2416

Previews

White Background



This preview shows how the Yxy color 20.6752, 0.5949, 0.3659 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 20.6752, 0.5949, 0.3659 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 20.6752, 0.5949, 0.3659

Background



This preview shows how black text looks on a background with the Yxy color 20.6752, 0.5949, 0.3659.



This preview shows how white text looks on a background with the Yxy color 20.6752, 0.5949, 0.3659.

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

20.6752, 0.5949, 0.3659

Protanopia

20.7384, 0.4328, 0.4779

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.6570, 0.5495, 0.3271

Trichromacy



Original Color

20.6752, 0.5949, 0.3659

Protanomaly

19.2268, 0.5030, 0.4303

Deuteranomaly

19.5700, 0.5239, 0.4222

Tritanomaly

20.6470, 0.5756, 0.3475

Monochromacy



Original Color

20.6752, 0.5949, 0.3659

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2895, 0.4415, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6752, 0.5949, 0.3659 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(226, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(226, 71, 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(226, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 71, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6752, 0.5949, 0.3659 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(226, 71, 0) }
```

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

```
.border{ border-color:rgb(226, 71, 0) }
```

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

Here you see how a box with a 4 pixel rgb(226, 71, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(226, 71, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6752, 0.5949, 0.3659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 71, 0) }
```

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

```
.background{ background-color: rgb(226, 71,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor