

Converting Colors

$Y_{xy}(21.8427, 0.5913, 0.3687)$

Have a look what the booklet for
Yxy(21.8427, 0.5913, 0.3687)
contains.

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Color

Yxy(21.8551, 0.5920, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	E64B00
RGB	230, 75, 0
RGB Percent	90%, 29%, 0%
CMY	0.0981, 0.7058, 0.9996
CMYK	0.00, 0.67, 1.00, 0.10
HSL	20°, 100%, 45%
HSV	20°, 100%, 90%
XYZ	35.1487, 21.8551, 2.3690
YIQ	112.7950, 116.4550, 9.5350

Conversions

Conversions Part 2

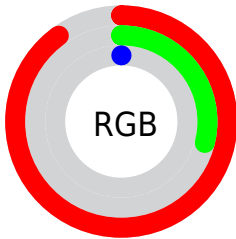
Format	Color
R_{YB}	230, 111, 0
Decimal	15092480
CIE _{Lab}	53.87, 57.71, 64.64
CIE _{LCh}	54, 86.653, 48.239
Yxy	21.8551, 0.5920, 0.3681
Android (android.graphics.Color)	4293282560 (0xFFE64B00)
YUV	112.7950, -55.6079, 102.7888
Hunter-Lab	46.7494, 52.3940, 29.7202

Details

The Yxy color **21.8551, 0.5920, 0.3681** 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 **29.1868, 0.1937, 0.2173**, and the grayscale version is **16.5971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.8404, 0.5163, 0.3890**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.8461, 0.5921, 0.3681**, and if you desaturate by 10%, it is **24.2847, 0.5670, 0.3774**.

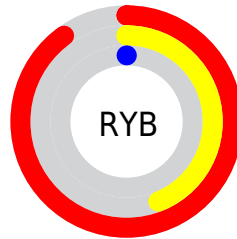
Distribution



Red (90%)

Green (29%)

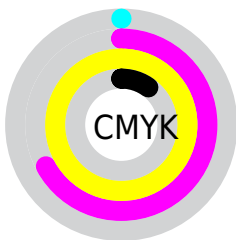
Blue (0%)



Red (90%)

Yellow (44%)

Blue (0%)

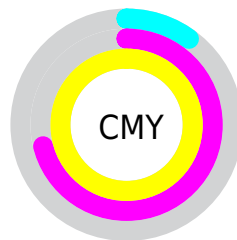


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (71%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8551, 0.5920, 0.3681 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 21.8551, 0.5920, 0.3681 by changing the saturation by 10% instead.


 21.8551, 0.5920,
0.3681


 21.8551, 0.5920,
0.3681


261.7886, 0.4484,
0.3706

 13.7505, 0.6225,
0.3575


 46.5064, 0.5425,
0.3763

 7.9473, 0.6599,
0.3401

 63.8218, 0.5228,
0.3771


 4.0613, 0.6938,
0.3062

 84.9764, 0.5058,
0.3769


 1.7079, 0.7427,
0.2573

 110.3543, 0.4911,
0.3760

 0.4288, 0.8394,
0.1606

 140.3401, 0.4782,
0.3749


 0.0000, 1.0000,
0.0000


 175.3182, 0.4670,


 0.0000, 0.0000,

0.3735


0.0000

 215.6729, 0.4571,
0.3721

 21.8551, 0.5920,
0.3681


 21.8551, 0.5920,
0.3681


 21.8461, 0.5921,
0.3681

 24.2847, 0.5670,
0.3774

 27.3334, 0.5356,
0.3824

 31.0572, 0.5003,
0.3826

 35.4983, 0.4643,
0.3787

 40.6951, 0.4302,
0.3721

■ 46.6829, 0.3993,
0.3638

■ 53.4945, 0.3723,
0.3549

■ 61.1609, 0.3491,
0.3458

■ 69.7113, 0.3293,
0.3371

Harmonies

Analogous

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



21.8551, 0.5656, 0.2883



21.8551, 0.5920, 0.3681



21.8551, 0.5237, 0.4644

Triad

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



21.8551, 0.5920, 0.3681



21.8551, 0.1736, 0.4929



21.8551, 0.1658, 0.1347

Complementary

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



21.8551, 0.5920, 0.3681



29.1868, 0.1937, 0.2173

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.



21.8551, 0.1104, 0.1392



21.8551, 0.5920, 0.3681



21.8551, 0.1084, 0.2970

Square

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



21.8551, 0.5920, 0.3681



21.8551, 0.2852, 0.6194



21.8551, 0.0921, 0.1834



21.8551, 0.2735, 0.1606

Rectangle

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



21.8551, 0.5920, 0.3681



21.8551, 0.4503, 0.5375



21.8551, 0.0921, 0.1834



21.8551, 0.1424, 0.1327

Sweetspot

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



21.8564, 0.5920, 0.3681



67.4078, 0.3728, 0.3551



19.2657, 0.4226, 0.2102



13.6211, 0.3838, 0.3589



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.



21.8564, 0.5920, 0.3681



27.4598, 0.5931, 0.3673



52.7245, 0.4564, 0.4758



15.1310, 0.3284, 0.3367



12.5666, 0.5893, 0.3703



1.0929, 0.5608, 0.3929

Inverse Universe

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



29.1868, 0.1937, 0.2173



36.6921, 0.1935, 0.2165



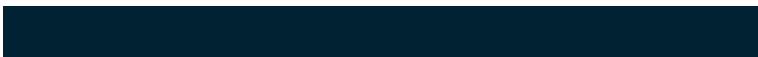
7.3877, 0.1543, 0.0754



15.5032, 0.2981, 0.3212



16.7492, 0.1942, 0.2192



1.4051, 0.1992, 0.2371

Previews

White Background



This preview shows how the Yxy color 21.8551, 0.5920, 0.3681 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 21.8551, 0.5920, 0.3681 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 21.8551, 0.5920, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 21.8551, 0.5920, 0.3681.



This preview shows how white text looks on a background with the Yxy color 21.8551, 0.5920, 0.3681.

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

21.8551, 0.5920, 0.3681

Protanopia

22.1422, 0.4327, 0.4790

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.8503, 0.5441, 0.3271

Trichromacy



Original Color

21.8551, 0.5920, 0.3681

Protanomaly

20.5335, 0.5010, 0.4324

Deuteranomaly

20.8729, 0.5213, 0.4243

Tritanomaly

21.8209, 0.5723, 0.3491

Monochromacy



Original Color

21.8551, 0.5920, 0.3681

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.4595, 0.4387, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8551, 0.5920, 0.3681 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(230, 75, 0)` looks like.

```
.text, #text, p{  
    color:rgb(230, 75, 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(230, 75, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 75, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.8551, 0.5920, 0.3681 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(230, 75, 0) }
```

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

```
.border{ border-color:rgb(230, 75, 0) }
```

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

Here you see how a box with a 4 pixel rgb(230, 75, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 75, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 75, 0);  
box-shadow:4px 4px 4px 4px rgb(230, 75, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.8551, 0.5920, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 75, 0) }
```

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

```
.background{ background-color: rgb(230, 75,  
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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