

Converting Colors

$Y_{xy}(20.3151, 0.5998, 0.3620)$

Have a look what the booklet for
Yxy(20.3151, 0.5998, 0.3620)
contains.

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Color

Yxy(20.3452, 0.5996, 0.3621)

Conversions

Conversions Part 1

Format	Color
Hex	E34300
RGB	227, 67, 0
RGB Percent	89%, 26%, 0%
CMY	0.1097, 0.7373, 0.9999
CMYK	0.00, 0.70, 1.00, 0.11
HSL	18°, 100%, 45%
HSV	18°, 100%, 89%
XYZ	33.6895, 20.3452, 2.1520
YIQ	107.2020, 116.8670, 13.0830

Conversions

Conversions Part 2

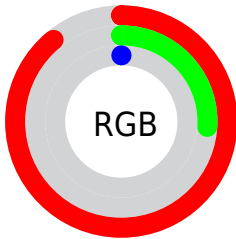
Format	Color
R_{YB}	227, 95, 0
Decimal	14893824
CIE _{Lab}	52.23, 59.78, 63.56
CIE _{LCh}	52, 87.251, 46.755
Yxy	20.3452, 0.5996, 0.3621
Android (android.graphics.Color)	4293083904 (0xFFE34300)
YUV	107.2020, -52.8506, 105.0628
Hunter-Lab	45.1057, 54.3873, 28.7453

Details

The Yxy color **20.3452, 0.5996, 0.3621** 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 **30.7057, 0.1968, 0.2285**, and the grayscale version is **14.8873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0122, 0.5240, 0.3828**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.3444, 0.5996, 0.3621**, and if you desaturate by 10%, it is **22.5796, 0.5743, 0.3712**.

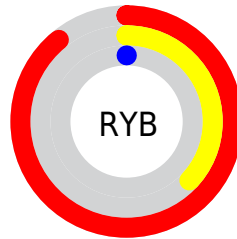
Distribution



Red (89%)

Green (26%)

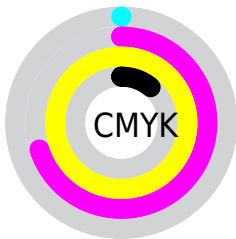
Blue (0%)



Red (89%)

Yellow (37%)

Blue (0%)

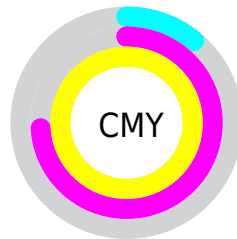


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (74%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3452, 0.5996, 0.3621 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 20.3452, 0.5996, 0.3621 by changing the saturation by 10% instead.


 20.3452, 0.5996,
0.3621


 20.3452, 0.5996,
0.3621


253.7778, 0.4506,
0.3684


 12.6462, 0.6319,
0.3502


 43.9952, 0.5480,
0.3721


 7.1854, 0.6698,
0.3302


 60.7150, 0.5275,
0.3734

 3.5783, 0.7064,
0.2936

 81.2105, 0.5098,
0.3736

 1.4406, 0.7592,
0.2408

 105.8661, 0.4946,
0.3730

 0.2464, 0.8910,
0.1090

 135.0663, 0.4813,
0.3721

 0.0000, 1.0000,
0.0000

 169.1954, 0.4697,

 0.0000, 0.0000,

0.3710

0.0000


 208.6377, 0.4596,
0.3697


 20.3452, 0.5996,
0.3621


 20.3452, 0.5996,
0.3621


 20.3444, 0.5996,
0.3621

 22.5796, 0.5743,
0.3712

 25.4493, 0.5419,
0.3766

 29.0141, 0.5052,
0.3772

 33.3200, 0.4678,
0.3740

 38.4082, 0.4325,
0.3681

■ 44.3171, 0.4007,
0.3606

■ 51.0820, 0.3730,
0.3525

■ 58.7362, 0.3494,
0.3443

■ 67.3112, 0.3295,
0.3364

Harmonies

Analogous

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



20.3452, 0.5683, 0.2824



20.3452, 0.5996, 0.3621



20.3452, 0.5322, 0.4597

Triad

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



20.3452, 0.5996, 0.3621



20.3452, 0.1740, 0.5090



20.3452, 0.1587, 0.1305

Complementary

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



20.3452, 0.5996, 0.3621



30.7057, 0.1968, 0.2285

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.



20.3452, 0.1050, 0.1364



20.3452, 0.5996, 0.3621



20.3452, 0.1058, 0.3034

Square

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



20.3452, 0.5996, 0.3621



20.3452, 0.2884, 0.6300



20.3452, 0.0880, 0.1832



20.3452, 0.2653, 0.1552

Rectangle

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



20.3452, 0.5996, 0.3621



20.3452, 0.4579, 0.5359



20.3452, 0.0880, 0.1832



20.3452, 0.1358, 0.1289

Sweetspot

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



20.3464, 0.5996, 0.3621



66.2998, 0.3735, 0.3526



18.9675, 0.4098, 0.2031



13.3635, 0.3848, 0.3561



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.



20.3464, 0.5996, 0.3621



26.3233, 0.6007, 0.3612



48.1080, 0.4643, 0.4695



15.0574, 0.3285, 0.3360



12.0396, 0.5969, 0.3642



1.0467, 0.5682, 0.3870

Inverse Universe

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



30.7057, 0.1968, 0.2285



39.7702, 0.1966, 0.2278



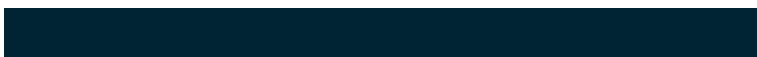
7.7608, 0.1558, 0.0807



15.5805, 0.2981, 0.3219



18.1152, 0.1973, 0.2302



1.4980, 0.2018, 0.2463

Previews

White Background



This preview shows how the Yxy color 20.3452, 0.5996, 0.3621 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 20.3452, 0.5996, 0.3621 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 20.3452, 0.5996, 0.3621

Background



This preview shows how black text looks on a background with the Yxy color 20.3452, 0.5996, 0.3621.



This preview shows how white text looks on a background with the Yxy color 20.3452, 0.5996, 0.3621.

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

20.3452, 0.5996, 0.3621

Protanopia

20.6546, 0.4310, 0.4781

Deuteranopia

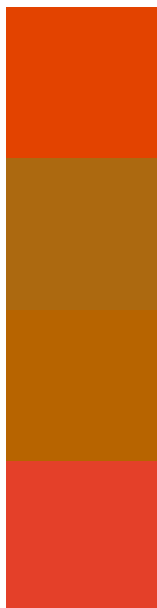
20.4628, 0.4702, 0.4649



Tritanopia

20.4306, 0.5577, 0.3281

Trichromacy



Original Color

20.3452, 0.5996, 0.3621

Protanomaly

18.9112, 0.5031, 0.4294

Deuteranomaly

19.1816, 0.5270, 0.4197

Tritanomaly

20.3209, 0.5825, 0.3458

Monochromacy



Original Color

20.3452, 0.5996, 0.3621

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6510, 0.4447, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3452, 0.5996, 0.3621 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(227, 67, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 67, 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(227, 67, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 67, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.3452, 0.5996, 0.3621 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(227, 67, 0) }
```

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

```
.border{ border-color:rgb(227, 67, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 67, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 67, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 67, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 67, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.3452, 0.5996, 0.3621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 67, 0) }
```

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

```
.background{ background-color: rgb(227, 67,  
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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