

Converting Colors

$Y_{xy}(20.9123, 0.6027, 0.3531)$

Have a look what the booklet for
Yxy(20.9123, 0.6027, 0.3531)
contains.

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Color

Yxy(20.9722, 0.6024, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	EA3E0F
RGB	234, 62, 15
RGB Percent	92%, 24%, 6%
CMY	0.0824, 0.7568, 0.9412
CMYK	0.00, 0.73, 0.94, 0.08
HSL	13°, 88%, 49%
HSV	13°, 94%, 92%
XYZ	35.7388, 20.9722, 2.6163
YIQ	108.0700, 117.5990, 21.8470

Conversions

Conversions Part 2

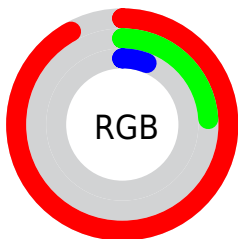
Format	Color
R_{YB}	234, 75, 15
Decimal	15351311
CIE _{Lab}	52.92, 63.82, 61.11
CIE _{LCh}	53, 88.363, 43.758
Yxy	20.9722, 0.6024, 0.3535
Android (android.graphics.Color)	4293541391 (0xFFEA3E0F)
YUV	108.0700, -45.8835, 110.4406
Hunter-Lab	45.7954, 59.1595, 28.6695

Details

The Yxy color **20.9722, 0.6024, 0.3535** 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 **41.5693, 0.2070, 0.2622**, and the grayscale version is **15.1268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3644, 0.5208, 0.3747**, and **8.4350, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7931, 0.6171, 0.3482**, and if you desaturate by 10%, it is **23.4296, 0.5717, 0.3602**.

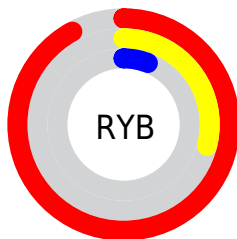
Distribution



Red (92%)

Green (24%)

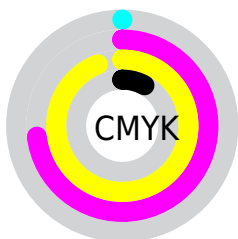
Blue (6%)



Red (92%)

Yellow (29%)

Blue (6%)

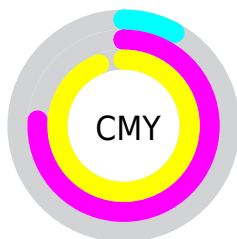


Cyan (0%)

Magenta (73%)

Yellow (94%)

Black (8%)



Cyan (8%)

Magenta (76%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9722, 0.6024, 0.3535 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 20.9722, 0.6024, 0.3535 by changing the saturation by 10% instead.

 20.9722, 0.6024,
0.3535


 20.9722, 0.6024,
0.3535


257.1307, 0.4511,
0.3633

 13.1037, 0.6354,
0.3412


 45.0413, 0.5495,
0.3642


 7.5000, 0.6775,
0.3225


 62.0106, 0.5287,
0.3660


 3.7767, 0.7143,
0.2857

 82.7823, 0.5108,
0.3666

 1.5495, 0.7667,
0.2333

 107.7408, 0.4954,
0.3666

 0.3232, 0.8785,
0.1215

 137.2706, 0.4821,
0.3660


 0.0000, 1.0000,
0.0000

 171.7558, 0.4704,

 0.0000, 0.0000,


0.3652


0.0000


 211.5811, 0.4602,
0.3643


 20.9722, 0.6024,
0.3535


 20.9722, 0.6024,
0.3535


 19.7931, 0.6171,
0.3482

 23.4296, 0.5717,
0.3602

 26.7176, 0.5333,
0.3632

 30.9075, 0.4921,
0.3625

 36.0611, 0.4523,
0.3592

 42.2347, 0.4163,
0.3542

■ 49.4803, 0.3850,
0.3484

■ 57.8459, 0.3587,
0.3424

■ 67.3769, 0.3367,
0.3365

■ 78.1159, 0.3185,
0.3309

Harmonies

Analogous

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



20.9722, 0.5587, 0.2745



20.9722, 0.6024, 0.3535



20.9722, 0.5419, 0.4486

Triad

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



20.9722, 0.6024, 0.3535



20.9722, 0.1836, 0.5298



20.9722, 0.1510, 0.1294

Complementary

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



20.9722, 0.6024, 0.3535



41.5693, 0.2070, 0.2622

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.



20.9722, 0.1015, 0.1386



20.9722, 0.6024, 0.3535



20.9722, 0.1097, 0.3209

Square

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



20.9722, 0.6024, 0.3535



20.9722, 0.3006, 0.6312



20.9722, 0.0878, 0.1908



20.9722, 0.2517, 0.1511

Rectangle

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



20.9722, 0.6024, 0.3535



20.9722, 0.4700, 0.5246



20.9722, 0.0878, 0.1908



20.9722, 0.1297, 0.1288

Sweetspot

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



20.9735, 0.6024, 0.3535



65.5192, 0.3701, 0.3451



21.5589, 0.3753, 0.1864



13.1024, 0.3819, 0.3477



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.



20.9735, 0.6024, 0.3535



23.9691, 0.6178, 0.3477



45.6398, 0.4786, 0.4544



15.5783, 0.3288, 0.3341



11.2727, 0.6147, 0.3501



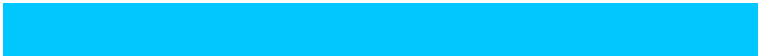
1.0228, 0.5885, 0.3709

Inverse Universe

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



41.5693, 0.2070, 0.2622



48.6422, 0.2047, 0.2569



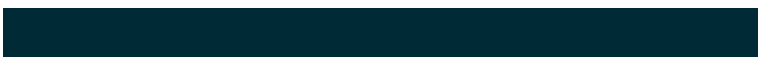
11.8819, 0.1648, 0.1090



16.5410, 0.2981, 0.3238



22.7361, 0.2051, 0.2585



1.9217, 0.2082, 0.2694

Previews

White Background



This preview shows how the Yxy color 20.9722, 0.6024, 0.3535 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 20.9722, 0.6024, 0.3535 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 20.9722, 0.6024, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 20.9722, 0.6024, 0.3535.



This preview shows how white text looks on a background with the Yxy color 20.9722, 0.6024, 0.3535.

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

20.9722, 0.6024, 0.3535

Protanopia

21.1227, 0.4287, 0.4722

Deuteranopia

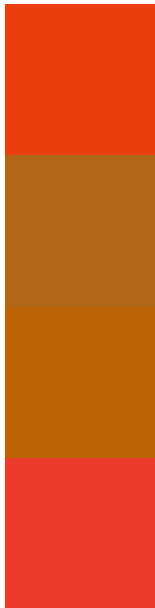
20.9065, 0.4710, 0.4642



Tritanopia

21.0145, 0.5717, 0.3283

Trichromacy



Original Color

20.9722, 0.6024, 0.3535

Protanomaly

19.0052, 0.5055, 0.4188

Deuteranomaly

19.4994, 0.5307, 0.4142

Tritanomaly

20.9719, 0.5873, 0.3395

Monochromacy



Original Color

20.9722, 0.6024, 0.3535

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.8466, 0.4407, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9722, 0.6024, 0.3535 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(234, 62, 15)` looks like.

```
.text, #text, p{  
    color:rgb(234, 62, 15)  
}
```

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(234, 62, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 62, 15) }
```

Border

The CSS property to change the border of an element to Yxy 20.9722, 0.6024, 0.3535 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(234, 62, 15) }
```

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

```
.border{ border-color:rgb(234, 62, 15) }
```

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

Here you see how a box with a 4 pixel rgb(234, 62, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 62, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 62, 15);  
box-shadow:4px 4px 4px 4px rgb(234, 62,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9722, 0.6024, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 62, 15) }
```

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

```
.background{ background-color: rgb(234, 62,  
15) }
```

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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