

Converting Colors

$Y_{xy}(20.9225, 0.5948, 0.3536)$

Have a look what the booklet for
Yxy(20.9225, 0.5948, 0.3536)
contains.

Yxy(21.0023, 0.5949, 0.3536)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0023, 0.5949, 0.3536)

Conversions

Conversions Part 1

Format	Color
Hex	E84118
RGB	232, 65, 24
RGB Percent	91%, 25%, 9%
CMY	0.0902, 0.7451, 0.9056
CMYK	0.00, 0.72, 0.90, 0.09
HSL	12°, 82%, 50%
HSV	12°, 90%, 91%
XYZ	35.3345, 21.0023, 3.0589
YIQ	110.2590, 112.6930, 22.6530

Conversions

Conversions Part 2

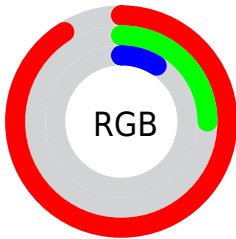
Format	Color
R_{YB}	232, 75, 24
Decimal	15221016
CIE _{Lab}	52.95, 62.31, 58.08
CIE _{LCh}	53, 85.186, 42.988
Yxy	21.0023, 0.5949, 0.3536
Android (android.graphics.Color)	4293411096 (0xFFE84118)
YUV	110.2590, -42.5257, 106.7669
Hunter-Lab	45.8283, 57.4274, 28.1224

Details

The Yxy color **21.0023, 0.5949, 0.3536** 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 **43.3051, 0.2101, 0.2710**, and the grayscale version is **15.7748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9339, 0.5139, 0.3724**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.1413, 0.6195, 0.3460**, and if you desaturate by 10%, it is **23.6480, 0.5604, 0.3587**.

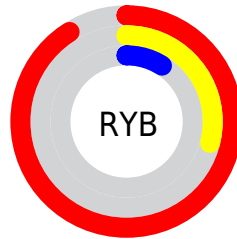
Distribution



Red (91%)

Green (25%)

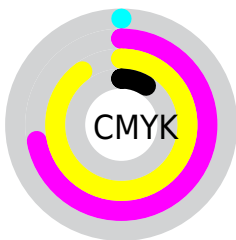
Blue (9%)



Red (91%)

Yellow (29%)

Blue (9%)

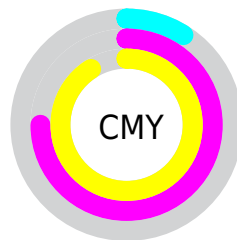


Cyan (0%)

Magenta (72%)

Yellow (90%)

Black (9%)



Cyan (9%)


Magenta (75%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0023, 0.5949, 0.3536 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 21.0023, 0.5949, 0.3536 by changing the saturation by 10% instead.


 21.0023, 0.5949,
0.3536

 21.0023, 0.5949,
0.3536


257.2907, 0.4460,
0.3614

 13.1257, 0.6283,
0.3424


 45.0914, 0.5421,
0.3631


 7.5152, 0.6738,
0.3262


 62.0726, 0.5216,
0.3645

 3.7863, 0.7102,
0.2898

 82.8575, 0.5041,
0.3649

 1.5548, 0.7621,
0.2379

 107.8304, 0.4890,
0.3647

 0.3268, 0.8742,
0.1258

 137.3759, 0.4760,
0.3641

 0.0000, 1.0000,
0.0000

 171.8781, 0.4647,

 0.0000, 0.0000,

0.3633

0.0000

211.7216, 0.4548,
0.3624

21.0023, 0.5949,
0.3536

21.0023, 0.5949,
0.3536

19.1413, 0.6195,
0.3460

23.6480, 0.5604,
0.3587

19.0853, 0.6203,
0.3457

27.1600, 0.5197,
0.3603

31.6090, 0.4779,
0.3587

37.0571, 0.4387,
0.3550

43.5612, 0.4040,
0.3501

■ 51.1735, 0.3744,
0.3446

■ 59.9429, 0.3496,
0.3391

■ 69.9152, 0.3291,
0.3338

■ 81.1338, 0.3121,
0.3288

Harmonies

Analogous

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



21.0023, 0.5478, 0.2753



21.0023, 0.5949, 0.3536



21.0023, 0.5396, 0.4458

Triad

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



21.0023, 0.5949, 0.3536



21.0023, 0.1912, 0.5260



21.0023, 0.1533, 0.1337

Complementary

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



21.0023, 0.5949, 0.3536



43.3051, 0.2101, 0.2710

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.



21.0023, 0.1053, 0.1441



21.0023, 0.5949, 0.3536



21.0023, 0.1163, 0.3268

Square

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



21.0023, 0.5949, 0.3536



21.0023, 0.3070, 0.6202



21.0023, 0.0927, 0.1976



21.0023, 0.2506, 0.1543

Rectangle

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



21.0023, 0.5949, 0.3536



21.0023, 0.4709, 0.5183



21.0023, 0.0927, 0.1976



21.0023, 0.1326, 0.1335

Sweetspot

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



21.0036, 0.5949, 0.3536



65.9851, 0.3678, 0.3432



21.7011, 0.3675, 0.1841



13.3704, 0.3770, 0.3452



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.



21.0036, 0.5949, 0.3536



23.5597, 0.6210, 0.3451



44.5498, 0.4776, 0.4516



14.8251, 0.3288, 0.3337



10.7352, 0.6178, 0.3476



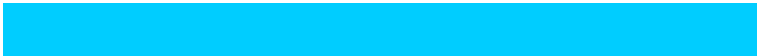
0.9218, 0.5906, 0.3693

Inverse Universe

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



43.3051, 0.2101, 0.2710



50.7794, 0.2065, 0.2632



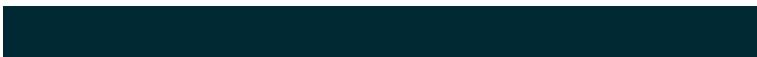
13.3179, 0.1693, 0.1212



15.8287, 0.2981, 0.3243



22.9843, 0.2069, 0.2647



1.8219, 0.2098, 0.2752

Previews

White Background



This preview shows how the Yxy color 21.0023, 0.5949, 0.3536 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 21.0023, 0.5949, 0.3536 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 21.0023, 0.5949, 0.3536

Background



This preview shows how black text looks on a background with the Yxy color 21.0023, 0.5949, 0.3536.



This preview shows how white text looks on a background with the Yxy color 21.0023, 0.5949, 0.3536.

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

21.0023, 0.5949, 0.3536

Protanopia

21.0760, 0.4231, 0.4666

Deuteranopia

20.9065, 0.4710, 0.4642



Tritanopia

21.0200, 0.5648, 0.3282

Trichromacy



Original Color

21.0023, 0.5949, 0.3536

Protanomaly

19.1301, 0.4977, 0.4155

Deuteranomaly

19.5732, 0.5271, 0.4151

Tritanomaly

20.9906, 0.5793, 0.3389

Monochromacy



Original Color

21.0023, 0.5949, 0.3536

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.4399, 0.4301, 0.3544

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0023, 0.5949, 0.3536 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(232, 65, 24)` looks like.

```
.text, #text, p{  
    color:rgb(232, 65, 24)  
}
```

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(232, 65, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 65, 24) }
```

Border

The CSS property to change the border of an element to Yxy 21.0023, 0.5949, 0.3536 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(232, 65, 24) }
```

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

```
.border{ border-color:rgb(232, 65, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 65, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 65, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 65, 24);  
box-shadow:4px 4px 4px 4px rgb(232, 65,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0023, 0.5949, 0.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 65, 24) }
```

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

```
.background{ background-color: rgb(232, 65,  
24) }
```

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