

Converting Colors

$Y_{xy}(22.3174, 0.5668, 0.3595)$

Have a look what the booklet for
Yxy(22.3174, 0.5668, 0.3595)
contains.

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Color

Yxy(22.3914, 0.5668, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	E45029
RGB	228, 80, 41
RGB Percent	89%, 31%, 16%
CMY	0.1059, 0.6862, 0.8392
CMYK	0.00, 0.65, 0.82, 0.11
HSL	13°, 78%, 53%
HSV	13°, 82%, 89%
XYZ	35.2638, 22.3914, 4.5604
YIQ	119.8060, 100.7270, 19.2470

Conversions

Conversions Part 2

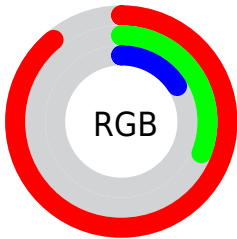
Format	Color
R_{YB}	228, 90, 41
Decimal	14962729
CIE Lab	54.44, 55.66, 51.99
CIE LCh	54, 76.166, 43.048
Yxy	22.3914, 0.5668, 0.3599
Android (android.graphics.Color)	4293152809 (0xFFE45029)
YUV	119.8060, -38.8514, 94.8861
Hunter-Lab	47.3196, 50.2138, 27.4096

Details

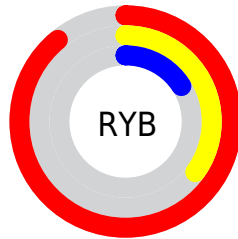
The Yxy color **22.3914, 0.5668, 0.3599** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **42.4606, 0.2130, 0.2732**, and the grayscale version is **18.8207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3261, 0.4900, 0.3724**, and **8.2066, 0.6328, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **19.9799, 0.5991, 0.3539**, and if you desaturate by 10%, it is **25.6070, 0.5275, 0.3622**.

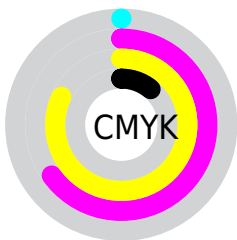
Distribution



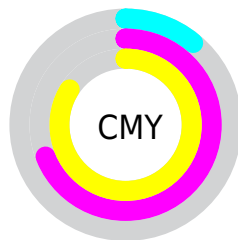
- Red (89%)
- Green (31%)
- Blue (16%)



- Red (89%)
- Yellow (35%)
- Blue (16%)



- Cyan (0%)
- Magenta (65%)
- Yellow (82%)
- Black (11%)




- Cyan (11%)
- Magenta (69%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3914, 0.5668, 0.3599 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 22.3914, 0.5668, 0.3599 by changing the saturation by 10% instead.


 22.3914, 0.5668,
0.3599


 22.3914, 0.5668,
0.3599


264.5835, 0.4310,
0.3595


 14.1448, 0.5991,
0.3526


 47.3920, 0.5175,
0.3648


 8.2214, 0.6392,
0.3394


 64.9149, 0.4987,
0.3651


 4.2370, 0.6858,
0.3142

 86.2985, 0.4829,
0.3646

 1.8070, 0.7330,
0.2670

 111.9275, 0.4693,
0.3638

 0.4915, 0.8213,
0.1787

 142.1860, 0.4577,
0.3628

 0.0000, 1.0000,
0.0000

 177.4586, 0.4476,

 0.0000, 0.0000,

0.3617

0.0000

218.1296, 0.4388,
0.3606

■ 22.3914, 0.5668,
0.3599

■ 22.3914, 0.5668,
0.3599

■ 19.9799, 0.5991,
0.3539

■ 25.6070, 0.5275,
0.3622

■ 18.5728, 0.6180,
0.3475

■ 29.6883, 0.4861,
0.3612

■ 34.6951, 0.4466,
0.3577

■ 40.6807, 0.4111,
0.3526

■ 47.6940, 0.3806,
0.3469

■ 55.7809, 0.3549,
0.3411

■ 64.9843, 0.3336,
0.3354

■ 75.3446, 0.3159,
0.3300

■ 86.9004, 0.3013,
0.3251

Harmonies

Analogous

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



22.3914, 0.5203, 0.2841



22.3914, 0.5668, 0.3599



22.3914, 0.5234, 0.4456

Triad

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



22.3914, 0.5668, 0.3599



22.3914, 0.2075, 0.4972



22.3914, 0.1680, 0.1498

Complementary

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



22.3914, 0.5668, 0.3599



42.4606, 0.2130, 0.2732

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.



22.3914, 0.1218, 0.1609



22.3914, 0.5668, 0.3599



22.3914, 0.1353, 0.3300

Square

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



22.3914, 0.5668, 0.3599



22.3914, 0.3156, 0.5834



22.3914, 0.1104, 0.2133



22.3914, 0.2587, 0.1694

Rectangle

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



22.3914, 0.5668, 0.3599



22.3914, 0.4635, 0.5077



22.3914, 0.1104, 0.2133



22.3914, 0.1482, 0.1499

Sweetspot

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



22.3927, 0.5668, 0.3599



68.4806, 0.3625, 0.3429



21.8232, 0.3664, 0.1897



13.8680, 0.3716, 0.3450



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.



22.3927, 0.5668, 0.3599



24.2211, 0.6147, 0.3483



46.1201, 0.4631, 0.4532



14.8527, 0.3287, 0.3340



10.8625, 0.6157, 0.3493



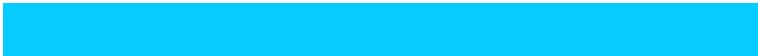
0.9350, 0.5880, 0.3713

Inverse Universe

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



42.4606, 0.2130, 0.2732



49.8994, 0.2059, 0.2606



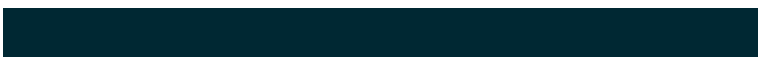
14.6396, 0.1761, 0.1342



15.7989, 0.2981, 0.3240



22.3605, 0.2058, 0.2607



1.7809, 0.2088, 0.2718

Previews

White Background



This preview shows how the Yxy color 22.3914, 0.5668, 0.3599 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 22.3914, 0.5668, 0.3599 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 22.3914, 0.5668, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 22.3914, 0.5668, 0.3599.



This preview shows how white text looks on a background with the Yxy color 22.3914, 0.5668, 0.3599.

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

22.3914, 0.5668, 0.3599

Protanopia

22.5282, 0.4105, 0.4515

Deuteranopia

22.4892, 0.4627, 0.4542



Tritanopia

22.4061, 0.5287, 0.3259

Trichromacy



Original Color

22.3914, 0.5668, 0.3599

Protanomaly

20.9326, 0.4737, 0.4123

Deuteranomaly

21.5154, 0.5074, 0.4144

Tritanomaly

22.3591, 0.5457, 0.3394

Monochromacy



Original Color

22.3914, 0.5668, 0.3599

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.2294, 0.4103, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3914, 0.5668, 0.3599 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(228, 80, 41)` looks like.

```
.text, #text, p{  
    color:rgb(228, 80, 41)  
}
```

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(228, 80, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 80, 41) }
```

Border

The CSS property to change the border of an element to Yxy 22.3914, 0.5668, 0.3599 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(228, 80, 41) }
```

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

```
.border{ border-color:rgb(228, 80, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 80, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 80, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 80, 41);  
box-shadow:4px 4px 4px 4px rgb(228, 80,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3914, 0.5668, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 80, 41) }
```

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

```
.background{ background-color: rgb(228, 80,  
41) }
```

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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