

Converting Colors

$Y_{xy}(22.0331, 0.5781, 0.3698)$

Have a look what the booklet for
Yxy(22.0331, 0.5781, 0.3698)
contains.

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Color

Yxy(21.9566, 0.5784, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	E25014
RGB	226, 80, 20
RGB Percent	89%, 31%, 8%
CMY	0.1137, 0.6863, 0.9215
CMYK	0.00, 0.65, 0.91, 0.11
HSL	17°, 84%, 48%
HSV	17°, 91%, 89%
XYZ	34.3607, 21.9566, 3.0891
YIQ	116.8140, 106.2760, 12.2920

Conversions

Conversions Part 2

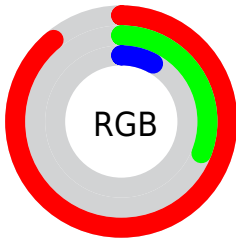
Format	Color
R _Y B	226, 105, 20
Decimal	14831636
CIE Lab	53.98, 54.54, 59.66
CIE LCh	54, 80.834, 47.564
Yxy	21.9566, 0.5784, 0.3696
Android (android.graphics.Color)	4293021716 (0xFFE25014)
YUV	116.8140, -47.7293, 95.7561
Hunter-Lab	46.8579, 48.8919, 28.8918

Details

The Yxy color **21.9566, 0.5784, 0.3696** 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 **32.9172, 0.2012, 0.2395**, and the grayscale version is **17.8553, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0690, 0.5044, 0.3856**, and **8.0520, 0.6313, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **20.0453, 0.6005, 0.3614**, and if you desaturate by 10%, it is **24.7108, 0.5467, 0.3755**.

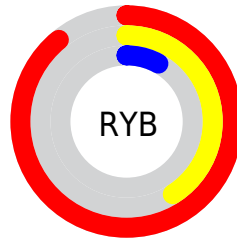
Distribution



Red (89%)

Green (31%)

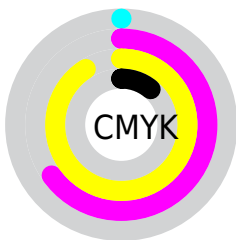
Blue (8%)



Red (89%)

Yellow (41%)

Blue (8%)

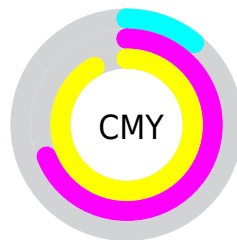


Cyan (0%)

Magenta (65%)

Yellow (91%)

Black (11%)



Cyan (11%)


Magenta (69%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9566, 0.5784, 0.3696 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 21.9566, 0.5784, 0.3696 by changing the saturation by 10% instead.


 21.9566, 0.5784,
0.3696


 21.9566, 0.5784,
0.3696


262.3195, 0.4393,
0.3679


 13.8250, 0.6093,
0.3610


 46.6743, 0.5294,
0.3753

 7.9991, 0.6516,
0.3484


 64.0291, 0.5102,
0.3755


 4.0943, 0.6844,
0.3156

 85.2272, 0.4939,
0.3748

 1.7265, 0.7322,
0.2678

 110.6529, 0.4798,
0.3736

 0.4407, 0.8277,
0.1723

 140.6905, 0.4676,
0.3723


 0.0000, 1.0000,
0.0000

 175.7246, 0.4569,

 0.0000, 0.0000,

0.3708

0.0000


 216.1395, 0.4476,
0.3693

 21.9566, 0.5784,
0.3696


 21.9566, 0.5784,
0.3696


 20.0453, 0.6005,
0.3614

 24.7108, 0.5467,
0.3755

 28.1508, 0.5101,
0.3767

 32.3246, 0.4725,
0.3739

 37.2741, 0.4367,
0.3683

 43.0380, 0.4043,
0.3611

■ 49.6520, 0.3761,
0.3531

■ 57.1499, 0.3520,
0.3450

■ 65.5631, 0.3316,
0.3372

■ 74.9220, 0.3145,
0.3298

Harmonies

Analogous

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



21.9566, 0.5478, 0.2912



21.9566, 0.5784, 0.3696



21.9566, 0.5184, 0.4609

Triad

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



21.9566, 0.5784, 0.3696



21.9566, 0.1853, 0.4843



21.9566, 0.1717, 0.1430

Complementary

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



21.9566, 0.5784, 0.3696



32.9172, 0.2012, 0.2395

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.



21.9566, 0.1183, 0.1487



21.9566, 0.5784, 0.3696



21.9566, 0.1194, 0.3045

Square

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



21.9566, 0.5784, 0.3696



21.9566, 0.2939, 0.5989



21.9566, 0.1013, 0.1939



21.9566, 0.2737, 0.1676

Rectangle

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



21.9566, 0.5784, 0.3696



21.9566, 0.4504, 0.5278



21.9566, 0.1013, 0.1939



21.9566, 0.1491, 0.1414

Sweetspot

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



21.9579, 0.5784, 0.3696



69.0512, 0.3660, 0.3499



19.4841, 0.3996, 0.2014



14.0785, 0.3747, 0.3527



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.



21.9579, 0.5784, 0.3696



26.1929, 0.6016, 0.3605



49.4201, 0.4572, 0.4699



14.3476, 0.3285, 0.3359



11.6132, 0.5977, 0.3636



0.9564, 0.5672, 0.3878

Inverse Universe

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



32.9172, 0.2012, 0.2395



40.1603, 0.1970, 0.2292



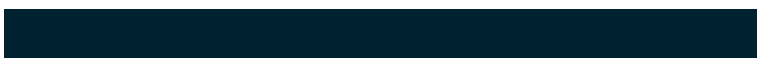
9.3797, 0.1618, 0.0955



14.8627, 0.2982, 0.3220



17.7259, 0.1977, 0.2316



1.3807, 0.2024, 0.2484

Previews

White Background



This preview shows how the Yxy color 21.9566, 0.5784, 0.3696 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 21.9566, 0.5784, 0.3696 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 21.9566, 0.5784, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 21.9566, 0.5784, 0.3696.



This preview shows how white text looks on a background with the Yxy color 21.9566, 0.5784, 0.3696.

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

21.9566, 0.5784, 0.3696

Protanopia

22.1861, 0.4283, 0.4725

Deuteranopia

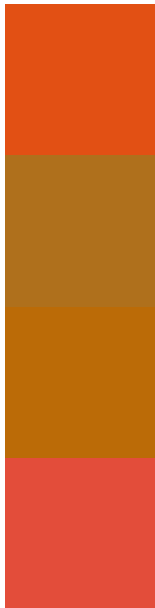
22.0584, 0.4711, 0.4641



Tritanopia

22.0906, 0.5300, 0.3259

Trichromacy



Original Color

21.9566, 0.5784, 0.3696

Protanomaly

20.7861, 0.4900, 0.4301

Deuteranomaly

21.0955, 0.5179, 0.4236

Tritanomaly

21.9441, 0.5533, 0.3460

Monochromacy



Original Color

21.9566, 0.5784, 0.3696

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.6779, 0.4212, 0.3654

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9566, 0.5784, 0.3696 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(226, 80, 20)` looks like.

```
.text, #text, p{  
    color:rgb(226, 80, 20)  
}
```

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(226, 80, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 80, 20) }
```

Border

The CSS property to change the border of an element to Yxy 21.9566, 0.5784, 0.3696 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(226, 80, 20) }
```

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

```
.border{ border-color:rgb(226, 80, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 80, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 80, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 80, 20);  
box-shadow:4px 4px 4px 4px rgb(226, 80,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9566, 0.5784, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 80, 20) }
```

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

```
.background{ background-color: rgb(226, 80,  
20) }
```

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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