

Converting Colors

$Y_{xy}(20.0553, 0.6003, 0.3558)$

Have a look what the booklet for
Yxy(20.0553, 0.6003, 0.3558)
contains.

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Color

Yxy(20.0781, 0.6001, 0.3560)

Conversions

Conversions Part 1

Format	Color
Hex	E43F0D
RGB	228, 63, 13
RGB Percent	89%, 25%, 5%
CMY	0.1059, 0.7529, 0.9486
CMYK	0.00, 0.72, 0.94, 0.11
HSL	14°, 89%, 47%
HSV	14°, 94%, 89%
XYZ	33.8451, 20.0781, 2.4759
YIQ	106.6350, 114.3900, 19.4300

Conversions

Conversions Part 2

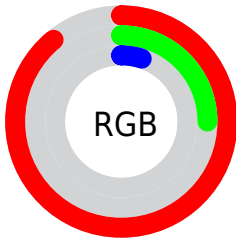
Format	Color
R_{YB}	228, 78, 13
Decimal	14958349
CIE _{Lab}	51.93, 61.61, 60.45
CIE _{LCh}	52, 86.317, 44.454
Yxy	20.0781, 0.6001, 0.3560
Android (android.graphics.Color)	4293148429 (0xFFE43F0D)
YUV	106.6350, -46.1621, 106.4371
Hunter-Lab	44.8086, 56.4108, 28.0899

Details

The Yxy color **20.0781, 0.6001, 0.3560** 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 **37.5645, 0.2052, 0.2560**, and the grayscale version is **14.7082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3400, 0.5224, 0.3761**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.0352, 0.6135, 0.3511**, and if you desaturate by 10%, it is **22.4338, 0.5700, 0.3631**.

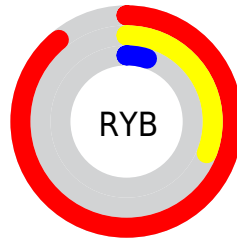
Distribution



Red (89%)

Green (25%)

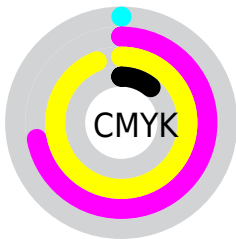
Blue (5%)



Red (89%)

Yellow (31%)

Blue (5%)

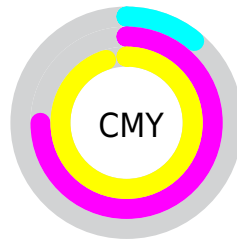


Cyan (0%)

Magenta (72%)

Yellow (94%)

Black (11%)



Cyan (11%)


Magenta (75%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0781, 0.6001, 0.3560 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 20.0781, 0.6001, 0.3560 by changing the saturation by 10% instead.


 20.0781, 0.6001,
0.3560


 20.0781, 0.6001,
0.3560


252.3376, 0.4490,
0.3643


 12.4518, 0.6333,
0.3438


 43.5481, 0.5470,
0.3663


 7.0522, 0.6753,
0.3247


 60.1606, 0.5262,
0.3679


 3.4948, 0.7127,
0.2873

 80.5373, 0.5083,
0.3683

 1.3952, 0.7666,
0.2334

 105.0626, 0.4930,
0.3680

 0.2132, 0.9053,
0.0947

 134.1209, 0.4797,
0.3673

 0.0000, 1.0000,
0.0000


 168.0965, 0.4681,


 0.0000, 0.0000,


0.3664


0.0000

 207.3740, 0.4580,
0.3653

 20.0781, 0.6001,
0.3560

 20.0781, 0.6001,
0.3560


 19.0352, 0.6135,
0.3511

 22.4338, 0.5700,
0.3631

 25.5458, 0.5325,
0.3662

 29.4773, 0.4921,
0.3655

 34.2830, 0.4529,
0.3619

 40.0129, 0.4173,
0.3566

■ 46.7129, 0.3863,
0.3504

■ 54.4259, 0.3599,
0.3438

■ 63.1922, 0.3379,
0.3375

■ 73.0497, 0.3195,
0.3314

Harmonies

Analogous

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



20.0781, 0.5592, 0.2770



20.0781, 0.6001, 0.3560



20.0781, 0.5388, 0.4512

Triad

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



20.0781, 0.6001, 0.3560



20.0781, 0.1825, 0.5232



20.0781, 0.1536, 0.1306

Complementary

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



20.0781, 0.6001, 0.3560



37.5645, 0.2052, 0.2560

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.



20.0781, 0.1033, 0.1391



20.0781, 0.6001, 0.3560



20.0781, 0.1099, 0.3171

Square

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



20.0781, 0.6001, 0.3560



20.0781, 0.2985, 0.6286



20.0781, 0.0889, 0.1900



20.0781, 0.2552, 0.1529

Rectangle

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



20.0781, 0.6001, 0.3560



20.0781, 0.4670, 0.5267



20.0781, 0.0889, 0.1900



20.0781, 0.1321, 0.1298

Sweetspot

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



20.0793, 0.6001, 0.3560



66.0969, 0.3697, 0.3464



20.1383, 0.3810, 0.1893



13.2371, 0.3814, 0.3492



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.



20.0793, 0.6001, 0.3560



24.4108, 0.6144, 0.3503



44.2011, 0.4752, 0.4575



14.9084, 0.3287, 0.3345



11.1418, 0.6110, 0.3530



0.9630, 0.5828, 0.3754

Inverse Universe

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



37.5645, 0.2052, 0.2560



46.5999, 0.2030, 0.2506



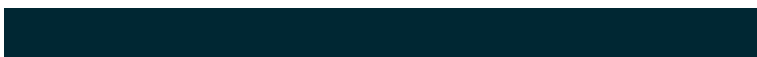
10.5842, 0.1633, 0.1040



15.7390, 0.2981, 0.3234



21.1385, 0.2035, 0.2524



1.7003, 0.2069, 0.2649

Previews

White Background



This preview shows how the Yxy color 20.0781, 0.6001, 0.3560 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 20.0781, 0.6001, 0.3560 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 20.0781, 0.6001, 0.3560

Background



This preview shows how black text looks on a background with the Yxy color 20.0781, 0.6001, 0.3560.



This preview shows how white text looks on a background with the Yxy color 20.0781, 0.6001, 0.3560.

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

20.0781, 0.6001, 0.3560

Protanopia

20.3364, 0.4285, 0.4740

Deuteranopia

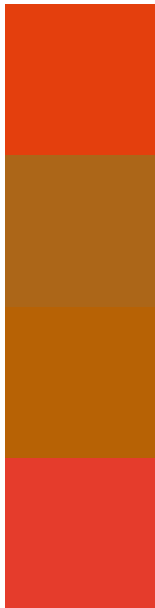
20.1250, 0.4705, 0.4646



Tritanopia

20.1229, 0.5663, 0.3282

Trichromacy



Original Color

20.0781, 0.6001, 0.3560

Protanomaly

18.3393, 0.5039, 0.4214

Deuteranomaly

18.8136, 0.5287, 0.4158

Tritanomaly

20.0716, 0.5838, 0.3408

Monochromacy



Original Color

20.0781, 0.6001, 0.3560

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.5425, 0.4380, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0781, 0.6001, 0.3560 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, 63, 13)` looks like.

```
.text, #text, p{  
    color:rgb(228, 63, 13)  
}
```

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, 63, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 63, 13) }
```

Border

The CSS property to change the border of an element to Yxy 20.0781, 0.6001, 0.3560 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, 63, 13) }
```

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

```
.border{ border-color:rgb(228, 63, 13) }
```

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

Here you see how a box with a 4 pixel rgb(228, 63, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 63, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 63, 13);  
box-shadow:4px 4px 4px 4px rgb(228, 63,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0781, 0.6001, 0.3560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 63, 13) }
```

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

```
.background{ background-color: rgb(228, 63,  
13) }
```

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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