

Converting Colors

$Y_{xy}(20.3270, 0.6031, 0.3509)$

Have a look what the booklet for
Yxy(20.3270, 0.6031, 0.3509)
contains.

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Color

Yxy(20.3274, 0.6033, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	E83B12
RGB	232, 59, 18
RGB Percent	91%, 23%, 7%
CMY	0.0902, 0.7685, 0.9295
CMYK	0.00, 0.75, 0.92, 0.09
HSL	12°, 86%, 49%
HSV	12°, 92%, 91%
XYZ	34.9488, 20.3274, 2.6532
YIQ	106.0530, 116.2690, 23.9250

Conversions

Conversions Part 2

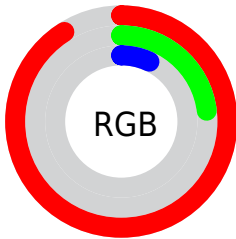
Format	Color
R_{YB}	232, 69, 18
Decimal	15219474
CIE _{Lab}	52.21, 64.22, 59.61
CIE _{LCh}	52, 87.623, 42.870
Yxy	20.3274, 0.6033, 0.3509
Android (android.graphics.Color)	4293409554 (0xFFE83B12)
YUV	106.0530, -43.4101, 110.4555
Hunter-Lab	45.0859, 59.4656, 28.0711

Details

The Yxy color **20.3274, 0.6033, 0.3509** 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 **43.1888, 0.2096, 0.2707**, and the grayscale version is **14.5297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6591, 0.5228, 0.3711**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9923, 0.6211, 0.3450**, and if you desaturate by 10%, it is **22.7330, 0.5712, 0.3568**.

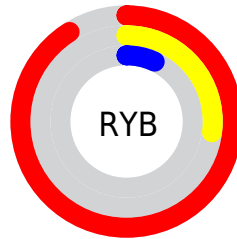
Distribution



Red (91%)

Green (23%)

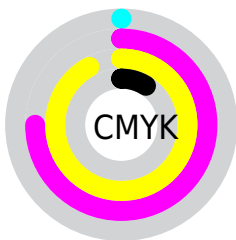
Blue (7%)



Red (91%)

Yellow (27%)

Blue (7%)

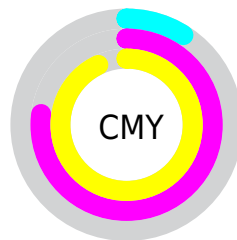


Cyan (0%)

Magenta (75%)

Yellow (92%)

Black (9%)



Cyan (9%)


Magenta (77%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3274, 0.6033, 0.3509 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 20.3274, 0.6033, 0.3509 by changing the saturation by 10% instead.


 20.3274, 0.6033,
0.3509


 20.3274, 0.6033,
0.3509


253.6820, 0.4504,
0.3617


 12.6333, 0.6371,
0.3383


 43.9654, 0.5495,
0.3620

 7.1765, 0.6807,
0.3193

 60.6781, 0.5284,
0.3639

 3.5727, 0.7185,
0.2815

 81.1657, 0.5103,
0.3646

 1.4375, 0.7723,
0.2277

 105.8127, 0.4948,
0.3646

 0.2441, 0.9005,
0.0995

 135.0034, 0.4814,
0.3642

 0.0000, 1.0000,
0.0000

 169.1223, 0.4697,

 0.0000, 0.0000,

0.3635


0.0000

 208.5537, 0.4594,
0.3626


 20.3274, 0.6033,
0.3509


 20.3274, 0.6033,
0.3509

 18.9923, 0.6211,
0.3450


 22.7330, 0.5712,
0.3568


 25.9912, 0.5315,
0.3593


 30.1768, 0.4894,
0.3586

 35.3548, 0.4490,
0.3555

 41.5842, 0.4129,
0.3509

 48.9194, 0.3818,
0.3456

 57.4109, 0.3557,
0.3402

 67.1061, 0.3341,
0.3350

 78.0497, 0.3163,
0.3301

Harmonies

Analogous

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



20.3274, 0.5560, 0.2721



20.3274, 0.6033, 0.3509



20.3274, 0.5450, 0.4454

Triad

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



20.3274, 0.6033, 0.3509



20.3274, 0.1864, 0.5361



20.3274, 0.1486, 0.1289

Complementary

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



20.3274, 0.6033, 0.3509



43.1888, 0.2096, 0.2707

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.



20.3274, 0.1004, 0.1392



20.3274, 0.6033, 0.3509



20.3274, 0.1107, 0.3262

Square

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



20.3274, 0.6033, 0.3509



20.3274, 0.3042, 0.6315



20.3274, 0.0876, 0.1931



20.3274, 0.2477, 0.1497

Rectangle

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



20.3274, 0.6033, 0.3509



20.3274, 0.4739, 0.5216



20.3274, 0.0876, 0.1931



20.3274, 0.1279, 0.1287

Sweetspot

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



20.3286, 0.6033, 0.3509



64.7707, 0.3705, 0.3434



21.4250, 0.3693, 0.1836



12.9281, 0.3825, 0.3458



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.



20.3286, 0.6033, 0.3509



23.4493, 0.6218, 0.3444



43.8269, 0.4810, 0.4514



14.8131, 0.3288, 0.3336



10.6820, 0.6188, 0.3469



0.9162, 0.5917, 0.3684

Inverse Universe

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



43.1888, 0.2096, 0.2707



51.4049, 0.2070, 0.2650



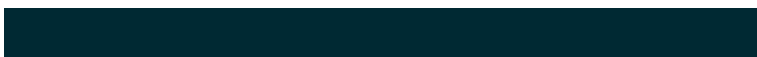
12.5701, 0.1670, 0.1159



15.8418, 0.2981, 0.3244



23.2603, 0.2074, 0.2665



1.8400, 0.2102, 0.2766

Previews

White Background



This preview shows how the Yxy color 20.3274, 0.6033, 0.3509 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 20.3274, 0.6033, 0.3509 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 20.3274, 0.6033, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 20.3274, 0.6033, 0.3509.



This preview shows how white text looks on a background with the Yxy color 20.3274, 0.6033, 0.3509.

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

20.3274, 0.6033, 0.3509

Protanopia

20.3582, 0.4261, 0.4705

Deuteranopia

20.4628, 0.4702, 0.4649



Tritanopia

20.3514, 0.5762, 0.3284

Trichromacy



Original Color

20.3274, 0.6033, 0.3509

Protanomaly

18.2754, 0.5041, 0.4169

Deuteranomaly

18.8790, 0.5314, 0.4125

Tritanomaly

20.3264, 0.5897, 0.3381

Monochromacy



Original Color

20.3274, 0.6033, 0.3509

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.3146, 0.4398, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3274, 0.6033, 0.3509 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, 59, 18)` looks like.

```
.text, #text, p{  
  color:rgb(232, 59, 18)  
}
```

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, 59, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 59, 18) }
```

Border

The CSS property to change the border of an element to Yxy 20.3274, 0.6033, 0.3509 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, 59, 18) }
```

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

```
.border{ border-color:rgb(232, 59, 18) }
```

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

Here you see how a box with a 4 pixel rgb(232, 59, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 59, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 59, 18);  
box-shadow:4px 4px 4px 4px rgb(232, 59,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3274, 0.6033, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 59, 18) }
```

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

```
.background{ background-color: rgb(232, 59,  
18) }
```

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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