

Converting Colors

$Y_{xy}(11.7820, 0.6353, 0.3279)$

Have a look what the booklet for
Yxy(11.7820, 0.6353, 0.3279)
contains.

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Color

Yxy(11.7772, 0.6352, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	C40109
RGB	196, 1, 9
RGB Percent	77%, 0%, 4%
CMY	0.2315, 0.9955, 0.9646
CMYK	0.00, 0.99, 0.95, 0.23
HSL	358°, 99%, 39%
HSV	358°, 99%, 77%
XYZ	22.8215, 11.7772, 1.3293
YIQ	60.2170, 113.6520, 43.8280

Conversions

Conversions Part 2

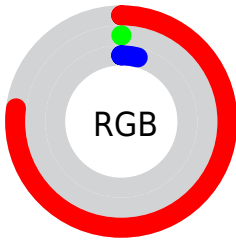
Format	Color
R_{YB}	196, 1, 9
Decimal	12845321
CIE Lab	40.86, 65.68, 51.98
CIE LCh	41, 83.764, 38.358
Yxy	11.7772, 0.6352, 0.3278
Android (android.graphics.Color)	4291035401 (0xFFC40109)
YUV	60.2170, -25.2500, 119.0817
Hunter-Lab	34.3179, 58.6464, 21.7259

Details

The Yxy color **11.7772, 0.6352, 0.3278** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **43.1143, 0.2282, 0.3411**, and the grayscale version is **4.5876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9061, 0.5641, 0.3484**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7504, 0.6361, 0.3278**, and if you desaturate by 10%, it is **12.3435, 0.6142, 0.3264**.

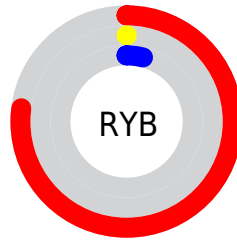
Distribution



Red (77%)

Green (0%)

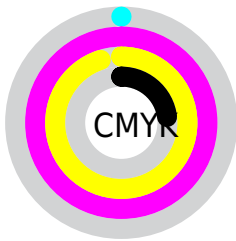
Blue (4%)



Red (77%)

Yellow (0%)

Blue (4%)

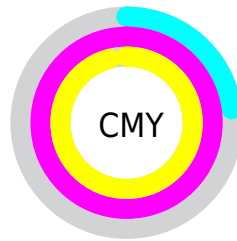


Cyan (0%)

Magenta (99%)

Yellow (95%)

Black (23%)



Cyan (23%)

Magenta (100%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7772, 0.6352, 0.3278 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 11.7772, 0.6352, 0.3278 by changing the saturation by 10% instead.


 11.7772, 0.6352,
0.3278


 11.7772, 0.6352,
0.3278


 202.9247, 0.4525,
0.3540


 6.5922, 0.6859,
0.3101


 29.0887, 0.5679,
0.3473


 3.2084, 0.7285,
0.2715

 41.9839, 0.5423,
0.3513

 1.2415, 0.7854,
0.2146

 58.2179, 0.5208,
0.3535

 0.0952, 0.9549,
0.0451

 78.1752, 0.5027,
0.3545


 0.0000, 1.0000,
0.0000

 102.2401, 0.4872,
0.3549

 0.0000, 0.0000,
0.0000

 130.7971, 0.4740,

0.3548


 164.2305, 0.4625,
0.3545

 11.7772, 0.6352,
0.3278


 11.7772, 0.6352,
0.3278


 11.7504, 0.6361,
0.3278

 12.3435, 0.6142,
0.3264

 13.4769, 0.5792,
0.3248

 15.3464, 0.5348,
0.3239

 18.0485, 0.4881,
0.3238

 21.6650, 0.4443,
0.3243

■ 26.2678, 0.4063,
0.3251

■ 31.9219, 0.3747,
0.3261

■ 38.6864, 0.3490,
0.3271

■ 46.6165, 0.3284,
0.3281

Harmonies

Analogous

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



11.7772, 0.5681, 0.2494



11.7772, 0.6352, 0.3278



11.7772, 0.5758, 0.4242

Triad

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



11.7772, 0.6352, 0.3278



11.7772, 0.1828, 0.6054



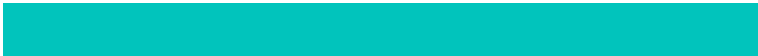
11.7772, 0.1229, 0.1118

Complementary

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



11.7772, 0.6352, 0.3278



43.1143, 0.2282, 0.3411

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.



11.7772, 0.0801, 0.1262



11.7772, 0.6352, 0.3278



11.7772, 0.0976, 0.3543

Square

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



11.7772, 0.6352, 0.3278



11.7772, 0.3113, 0.6697



11.7772, 0.0707, 0.1896



11.7772, 0.2180, 0.1288

Rectangle

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



11.7772, 0.6352, 0.3278



11.7772, 0.4946, 0.5054



11.7772, 0.0707, 0.1896



11.7772, 0.1041, 0.1128

Sweetspot

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



11.7780, 0.6352, 0.3278



56.6605, 0.3777, 0.3260



14.4788, 0.3085, 0.1475



11.1565, 0.3908, 0.3255



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.



11.7780, 0.6352, 0.3278



21.2825, 0.6372, 0.3284



18.8517, 0.5547, 0.3972



10.0843, 0.3283, 0.3281



7.5550, 0.6351, 0.3272



0.3287, 0.6170, 0.3172

Inverse Universe

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



11.7780, 0.6352, 0.3278



21.2825, 0.6372, 0.3284



14.7826, 0.1821, 0.1751



10.0843, 0.3283, 0.3281



7.5550, 0.6351, 0.3272



0.3287, 0.6170, 0.3172

Previews

White Background



This preview shows how the Yxy color 11.7772, 0.6352, 0.3278 looks on a white 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

Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 11.7772, 0.6352, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 11.7772, 0.6352, 0.3278.



This preview shows how white text looks on a background with the Yxy color 11.7772, 0.6352, 0.3278.

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

11.7772, 0.6352, 0.3278

Protanopia

12.3870, 0.4235, 0.4672

Deuteranopia

12.3654, 0.4692, 0.4656



Tritanopia

12.0347, 0.6332, 0.3354

Trichromacy



Original Color

11.7772, 0.6352, 0.3278

Protanomaly

9.3599, 0.5388, 0.3859

Deuteranomaly

9.8176, 0.5659, 0.3860

Tritanomaly

11.8716, 0.6344, 0.3325

Monochromacy



Original Color

11.7772, 0.6352, 0.3278

Achromatopsia

4.5186, 0.3127, 0.3290

Achromatomaly

4.8623, 0.4975, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7772, 0.6352, 0.3278 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(196, 1, 9)` looks like.

```
.text, #text, p{  
    color:rgb(196, 1, 9)  
}
```

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(196, 1, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 1, 9) }
```

Border

The CSS property to change the border of an element to Yxy 11.7772, 0.6352, 0.3278 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(196, 1, 9) }
```

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

```
.border{ border-color:rgb(196, 1, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 1, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 1, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(196, 1, 9); box-shadow:4px  
4px 4px 4px rgb(196, 1, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7772, 0.6352, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 1, 9) }
```

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

```
.background{ background-color: rgb(196, 1,  
9) }
```

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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