

Converting Colors

$Y_{xy}(11.7970, 0.6125, 0.3315)$

Have a look what the booklet for
Yxy(11.7970, 0.6125, 0.3315)
contains.

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Color

Yxy(11.7970, 0.6125, 0.3315)

Conversions

Conversions Part 1

Format	Color
Hex	BE1B18
RGB	190, 27, 24
RGB Percent	75%, 11%, 9%
CMY	0.2548, 0.8943, 0.9058
CMYK	0.00, 0.86, 0.87, 0.25
HSL	1°, 78%, 42%
HSV	1°, 87%, 75%
XYZ	21.7969, 11.7970, 1.9929
YIQ	75.3950, 98.1110, 33.6230

Conversions

Conversions Part 2

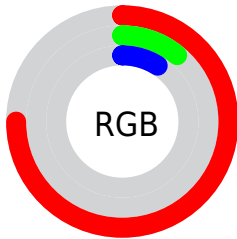
Format	Color
RYB	190, 27, 24
Decimal	12458776
CIELab	40.89, 60.82, 45.38
CIElCh	41, 75.889, 36.727
Yxy	11.7970, 0.6125, 0.3315
Android (android.graphics.Color)	4290648856 (0xFFBE1B18)
YUV	75.3950, -25.3377, 100.5086
Hunter-Lab	34.3468, 53.1714, 20.6026

Details

The Yxy color **11.7970, 0.6125, 0.3315** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **39.4914, 0.2254, 0.3241**, and the grayscale version is **7.1401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9952, 0.5463, 0.3464**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.1411, 0.6344, 0.3309**, and if you desaturate by 10%, it is **13.0487, 0.5761, 0.3320**.

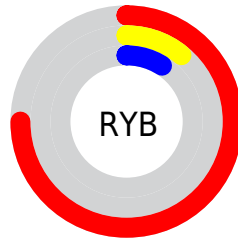
Distribution



Red (75%)

Green (11%)

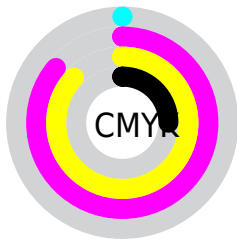
Blue (9%)



Red (75%)

Yellow (11%)

Blue (9%)

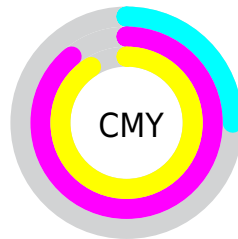


Cyan (0%)

Magenta (86%)

Yellow (87%)

Black (25%)



Cyan (25%)


Magenta (89%)


Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.7970, 0.6125, 0.3315 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 11.7970, 0.6125, 0.3315 by changing the saturation by 10% instead.


 11.7970, 0.6125,
0.3315


 11.7970, 0.6125,
0.3315

203.0567, 0.4386,
0.3504


 6.6056, 0.6589,
0.3149


 29.1248, 0.5461,
0.3466


 3.2167, 0.7152,
0.2848

 42.0301, 0.5217,
0.3495

 1.2459, 0.7711,
0.2289

 58.2754, 0.5015,
0.3509

 0.0987, 0.9484,
0.0516

 78.2451, 0.4846,
0.3515


 0.0000, 1.0000,
0.0000


 102.3238, 0.4704,
0.3516


 0.0000, 0.0000,
0.0000


 130.8956, 0.4582,


0.3513


 164.3451, 0.4477,
0.3509

 11.7970, 0.6125,
0.3315

 11.7970, 0.6125,
0.3315

 11.1411, 0.6344,
0.3309

 13.0487, 0.5761,
0.3320

 11.0233, 0.6388,
0.3310

 14.9966, 0.5307,
0.3322

 17.7228, 0.4836,
0.3320

 21.2974, 0.4399,
0.3315

 25.7827, 0.4021,
0.3310

■ 31.2351, 0.3709,
0.3304

■ 37.7067, 0.3455,
0.3299

■ 45.2455, 0.3251,
0.3294

■ 53.8968, 0.3087,
0.3289

Harmonies

Analogous

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



11.7970, 0.5387, 0.2536



11.7970, 0.6125, 0.3315



11.7970, 0.5721, 0.4259

Triad

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



11.7970, 0.6125, 0.3315



11.7970, 0.2034, 0.5838



11.7970, 0.1309, 0.1238

Complementary

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



11.7970, 0.6125, 0.3315



39.4914, 0.2254, 0.3241

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.



11.7970, 0.0906, 0.1410



11.7970, 0.6125, 0.3315



11.7970, 0.1158, 0.3665

Square

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



11.7970, 0.6125, 0.3315



11.7970, 0.3273, 0.6362



11.7970, 0.0840, 0.2078



11.7970, 0.2193, 0.1387

Rectangle

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



11.7970, 0.6125, 0.3315



11.7970, 0.5004, 0.4996



11.7970, 0.0840, 0.2078



11.7970, 0.1131, 0.1256

Sweetspot

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



11.7977, 0.6125, 0.3315



57.6127, 0.3682, 0.3304



15.2030, 0.3243, 0.1613



11.8319, 0.3783, 0.3306



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.7977, 0.6125, 0.3315



19.9328, 0.6392, 0.3307



22.1217, 0.5106, 0.4190



9.5627, 0.3288, 0.3295



7.3399, 0.6385, 0.3312



0.2969, 0.6325, 0.3360

Inverse Universe

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



39.4914, 0.2254, 0.3241



70.8234, 0.2231, 0.3233



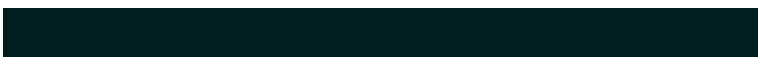
13.8642, 0.1851, 0.1752



10.7798, 0.2985, 0.3285



26.0160, 0.2232, 0.3234



1.0284, 0.2236, 0.3248

Previews

White Background



This preview shows how the Yxy color 11.7970, 0.6125, 0.3315 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



This preview shows how the Yxy color 11.7970, 0.6125, 0.3315 looks on a 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 11.7970, 0.6125, 0.3315

Background



This preview shows how black text looks on a background with the Yxy color 11.7970, 0.6125, 0.3315.



This preview shows how white text looks on a background with the Yxy color 11.7970, 0.6125, 0.3315.

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

11.7970, 0.6125, 0.3315

Protanopia

12.1398, 0.4101, 0.4502

Deuteranopia

12.1138, 0.4696, 0.4653



Tritanopia

11.7970, 0.6125, 0.3315

Trichromacy



Original Color

11.7970, 0.6125, 0.3315

Protanomaly

10.1535, 0.5029, 0.3902

Deuteranomaly

10.5719, 0.5430, 0.3989

Tritanomaly

11.7970, 0.6125, 0.3315

Monochromacy



Original Color

11.7970, 0.6125, 0.3315

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.0935, 0.4497, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7970, 0.6125, 0.3315 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(190, 27, 24)` looks like.

```
.text, #text, p{  
    color:rgb(190, 27, 24)  
}
```

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(190, 27, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 27, 24) }
```

Border

The CSS property to change the border of an element to Yxy 11.7970, 0.6125, 0.3315 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(190, 27, 24) }
```

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

```
.border{ border-color:rgb(190, 27, 24) }
```

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

Here you see how a box with a 4 pixel rgb(190, 27, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 27, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 27, 24);  
box-shadow:4px 4px 4px 4px rgb(190, 27,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7970, 0.6125, 0.3315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 27, 24) }
```

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

```
.background{ background-color: rgb(190, 27,  
24) }
```

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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