

Converting Colors

$Y_{xy}(16.7452, 0.6215, 0.3350)$

Have a look what the booklet for
Yxy(16.7452, 0.6215, 0.3350)
contains.

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Color

Yxy(16.7116, 0.6218, 0.3349)

Conversions

Conversions Part 1

Format	Color
Hex	DF1F12
RGB	223, 31, 18
RGB Percent	87%, 12%, 7%
CMY	0.1255, 0.8782, 0.9296
CMYK	0.00, 0.86, 0.92, 0.13
HSL	4°, 85%, 47%
HSV	4°, 92%, 87%
XYZ	31.0280, 16.7116, 2.1607
YIQ	86.9260, 118.6050, 36.6610

Conversions

Conversions Part 2

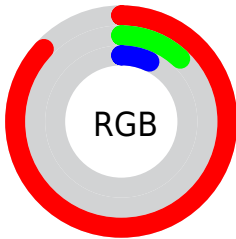
Format	Color
RYB	223, 32, 18
Decimal	14622482
CIELab	47.89, 68.87, 56.02
CIElCh	48, 88.774, 39.124
Yxy	16.7116, 0.6218, 0.3349
Android (android.graphics.Color)	4292812562 (0xFFDF1F12)
YUV	86.9260, -33.9805, 119.3369
Hunter-Lab	40.8798, 63.9427, 25.4821

Details

The Yxy color **16.7116, 0.6218, 0.3349** 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 **51.4944, 0.2205, 0.3104**, and the grayscale version is **9.5749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5889, 0.5428, 0.3555**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.0070, 0.6363, 0.3330**, and if you desaturate by 10%, it is **18.2909, 0.5911, 0.3374**.

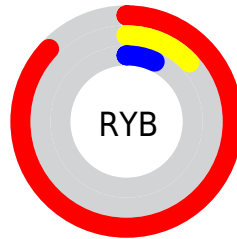
Distribution



Red (87%)

Green (12%)

Blue (7%)



Red (87%)

Yellow (13%)

Blue (7%)

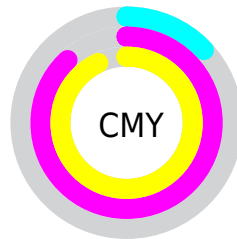


Cyan (0%)

Magenta (86%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (88%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7116, 0.6218, 0.3349 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 16.7116, 0.6218, 0.3349 by changing the saturation by 10% instead.


 16.7116, 0.6218,
0.3349


 16.7116, 0.6218,
0.3349


233.5049, 0.4544,
0.3555


 10.0291, 0.6604,
0.3189


 37.8292, 0.5618,
0.3504


 5.4182, 0.7069,
0.2931

 53.0332, 0.5386,
0.3537


 2.4947, 0.7517,
0.2483

 71.8463, 0.5189,
0.3554

 0.8740, 0.8154,
0.1846

 94.6532, 0.5021,
0.3563


 0.0000, 1.0000,
0.0000


 121.8380, 0.4876,
0.3565


 0.0000, 0.0000,
0.0000


 153.7854, 0.4750,


0.3564

 190.8795, 0.4641,
0.3560

 16.7116, 0.6218,
0.3349


 16.7116, 0.6218,
0.3349

 16.0070, 0.6363,
0.3330

 18.2909, 0.5911,
0.3374

 20.7796, 0.5492,
0.3388

 24.2882, 0.5028,
0.3389

 28.9107, 0.4579,
0.3379

 34.7307, 0.4179,
0.3364

■ 41.8233, 0.3842,
0.3346

■ 50.2580, 0.3564,
0.3328

■ 60.0988, 0.3340,
0.3310

■ 71.4058, 0.3158,
0.3293

Harmonies

Analogous

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



16.7116, 0.5583, 0.2564



16.7116, 0.6218, 0.3349



16.7116, 0.5684, 0.4316

Triad

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



16.7116, 0.6218, 0.3349



16.7116, 0.1887, 0.5818



16.7116, 0.1313, 0.1189

Complementary

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



16.7116, 0.6218, 0.3349



51.4944, 0.2205, 0.3104

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.



16.7116, 0.0876, 0.1329



16.7116, 0.6218, 0.3349



16.7116, 0.1052, 0.3493

Square

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



16.7116, 0.6218, 0.3349



16.7116, 0.3124, 0.6503



16.7116, 0.0780, 0.1946



16.7116, 0.2260, 0.1364

Rectangle

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



16.7116, 0.6218, 0.3349



16.7116, 0.4910, 0.5090



16.7116, 0.0780, 0.1946



16.7116, 0.1122, 0.1198

Sweetspot

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



16.7127, 0.6218, 0.3349



60.7394, 0.3731, 0.3339



20.9082, 0.3327, 0.1632



11.9963, 0.3861, 0.3348



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.



16.7127, 0.6218, 0.3349



21.6393, 0.6368, 0.3326



31.8885, 0.5135, 0.4241



13.8403, 0.3290, 0.3306



9.4692, 0.6352, 0.3339



0.7066, 0.6215, 0.3447

Inverse Universe

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



51.4944, 0.2205, 0.3104



68.7828, 0.2190, 0.3085



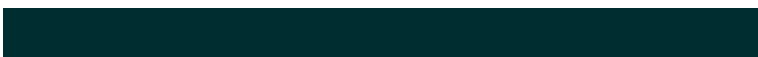
16.6550, 0.1777, 0.1545



15.4145, 0.2982, 0.3274



29.9381, 0.2192, 0.3090



2.1211, 0.2201, 0.3123

Previews

White Background



This preview shows how the Yxy color 16.7116, 0.6218, 0.3349 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 16.7116, 0.6218, 0.3349 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 16.7116, 0.6218, 0.3349

Background



This preview shows how black text looks on a background with the Yxy color 16.7116, 0.6218, 0.3349.



This preview shows how white text looks on a background with the Yxy color 16.7116, 0.6218, 0.3349.

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

16.7116, 0.6218, 0.3349

Protanopia

16.9780, 0.4210, 0.4656

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.6911, 0.6175, 0.3316

Trichromacy



Original Color

16.7116, 0.6218, 0.3349

Protanomaly

14.2159, 0.5189, 0.3988

Deuteranomaly

14.7844, 0.5465, 0.3997

Tritanomaly

16.6784, 0.6195, 0.3328

Monochromacy



Original Color

16.7116, 0.6218, 0.3349

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.5964, 0.4596, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7116, 0.6218, 0.3349 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(223, 31, 18)` looks like.

```
.text, #text, p{  
    color:rgb(223, 31, 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(223, 31, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 31, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.7116, 0.6218, 0.3349 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(223, 31, 18) }
```

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

```
.border{ border-color:rgb(223, 31, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 31, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 31, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 31, 18);  
box-shadow:4px 4px 4px 4px rgb(223, 31,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7116, 0.6218, 0.3349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 31, 18) }
```

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

```
.background{ background-color: rgb(223, 31,  
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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