

Converting Colors

$Yxy(16.8021, 0.6207, 0.3357)$

Have a look what the booklet for
Yxy(16.8021, 0.6207, 0.3357)
contains.

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Color

Yxy(16.8194, 0.6206, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	DF2112
RGB	223, 33, 18
RGB Percent	87%, 13%, 7%
CMY	0.1255, 0.8705, 0.9291
CMYK	0.00, 0.85, 0.92, 0.13
HSL	4°, 85%, 47%
HSV	4°, 92%, 87%
XYZ	31.0843, 16.8194, 2.1838
YIQ	88.1000, 118.0550, 35.6150

Conversions

Conversions Part 2

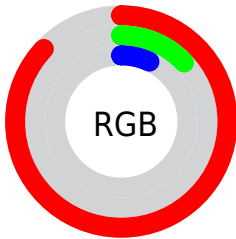
Format	Color
R_{YB}	223, 34, 18
Decimal	14622994
CIE Lab	48.03, 68.49, 56.06
CIE LCh	48, 88.505, 39.302
Yxy	16.8194, 0.6206, 0.3358
Android (android.graphics.Color)	4292813074 (0xFFDF2112)
YUV	88.1000, -34.5593, 118.3073
Hunter-Lab	41.0115, 63.5227, 25.5509

Details

The Yxy color **16.8194, 0.6206, 0.3358** 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 **50.5935, 0.2198, 0.3077**, and the grayscale version is **9.8446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7917, 0.5410, 0.3557**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.0658, 0.6356, 0.3335**, and if you desaturate by 10%, it is **18.4536, 0.5896, 0.3387**.

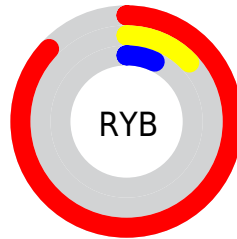
Distribution



Red (87%)

Green (13%)

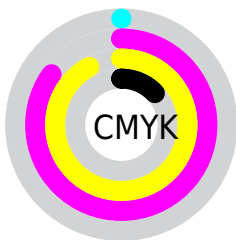
Blue (7%)



Red (87%)

Yellow (13%)

Blue (7%)

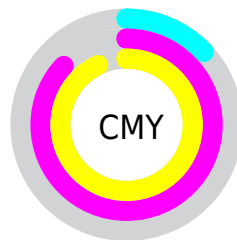


Cyan (0%)

Magenta (85%)

Yellow (92%)

Black (13%)



Cyan (13%)


Magenta (87%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8194, 0.6206, 0.3358 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 16.8194, 0.6206, 0.3358 by changing the saturation by 10% instead.


 16.8194, 0.6206,
0.3358


 16.8194, 0.6206,
0.3358


234.1295, 0.4540,
0.3558


 10.1058, 0.6590,
0.3199


 38.0150, 0.5609,
0.3510

 5.4692, 0.7055,
0.2945

 53.2658, 0.5378,
0.3542


 2.5251, 0.7500,
0.2500

 72.1311, 0.5182,
0.3559

 0.8892, 0.8133,
0.1867

 94.9954, 0.5014,
0.3567


 0.0000, 1.0000,
0.0000

 122.2429, 0.4870,
0.3569

 0.0000, 0.0000,
0.0000

 154.2582, 0.4745,


0.3567


 191.4256, 0.4636,
0.3563


 16.8194, 0.6206,
0.3358


 16.8194, 0.6206,
0.3358

 16.0658, 0.6356,
0.3335

 18.4536, 0.5896,
0.3387

 20.9901, 0.5476,
0.3401

 24.5355, 0.5015,
0.3402

 29.1808, 0.4569,
0.3392

 35.0067, 0.4173,
0.3374

■ 42.0864, 0.3838,
0.3354

■ 50.4871, 0.3562,
0.3333

■ 60.2713, 0.3338,
0.3313

■ 71.4974, 0.3157,
0.3293

Harmonies

Analogous

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



16.8194, 0.5580, 0.2573



16.8194, 0.6206, 0.3358



16.8194, 0.5674, 0.4326

Triad

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



16.8194, 0.6206, 0.3358



16.8194, 0.1888, 0.5791



16.8194, 0.1323, 0.1196

Complementary

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



16.8194, 0.6206, 0.3358



50.5935, 0.2198, 0.3077

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.



16.8194, 0.0884, 0.1334



16.8194, 0.6206, 0.3358



16.8194, 0.1057, 0.3481

Square

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



16.8194, 0.6206, 0.3358



16.8194, 0.3122, 0.6491



16.8194, 0.0786, 0.1947



16.8194, 0.2271, 0.1372

Rectangle

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



16.8194, 0.6206, 0.3358



16.8194, 0.4902, 0.5098



16.8194, 0.0786, 0.1947



16.8194, 0.1131, 0.1204

Sweetspot

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



16.8205, 0.6206, 0.3358



61.0164, 0.3730, 0.3346



20.7427, 0.3369, 0.1656



12.0599, 0.3858, 0.3355



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.



16.8205, 0.6206, 0.3358



21.7123, 0.6361, 0.3331



32.8367, 0.5091, 0.4277



13.8602, 0.3290, 0.3308



9.5079, 0.6344, 0.3345



0.7161, 0.6190, 0.3467

Inverse Universe

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



50.5935, 0.2198, 0.3077



67.4426, 0.2182, 0.3056



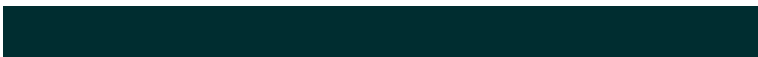
15.9467, 0.1764, 0.1495



15.3922, 0.2982, 0.3272



29.3687, 0.2184, 0.3061



2.0875, 0.2194, 0.3099

Previews

White Background



This preview shows how the Yxy color 16.8194, 0.6206, 0.3358 looks on a white background.

Color Contrast Check

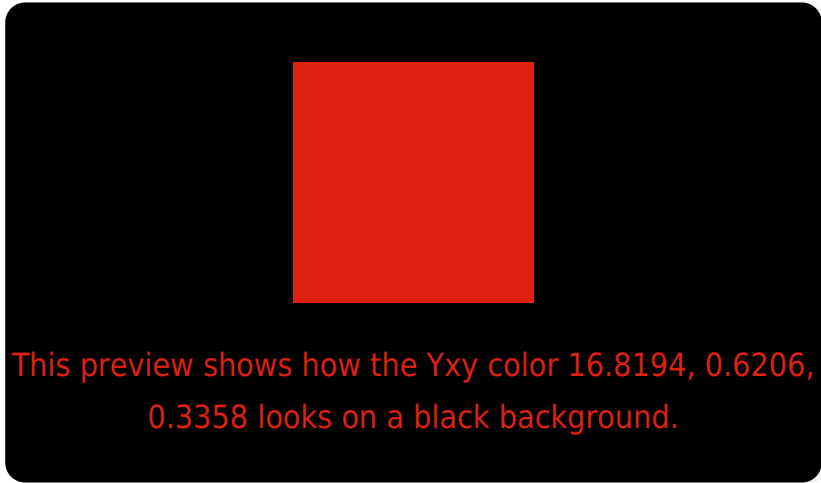
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8194, 0.6206, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 16.8194, 0.6206, 0.3358.



This preview shows how white text looks on a background with the Yxy color 16.8194, 0.6206, 0.3358.

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

16.8194, 0.6206, 0.3358

Protanopia

17.0560, 0.4224, 0.4647

Deuteranopia

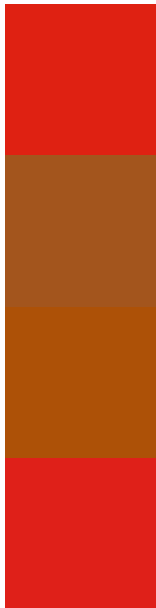
16.9570, 0.4701, 0.4649



Tritanopia

16.8097, 0.6143, 0.3313

Trichromacy



Original Color

16.8194, 0.6206, 0.3358

Protanomaly

14.3722, 0.5173, 0.4003

Deuteranomaly

14.7844, 0.5465, 0.3997

Tritanomaly

16.7912, 0.6171, 0.3329

Monochromacy



Original Color

16.8194, 0.6206, 0.3358

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8115, 0.4581, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8194, 0.6206, 0.3358 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, 33, 18)` looks like.

```
.text, #text, p{  
    color:rgb(223, 33, 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, 33, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 33, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.8194, 0.6206, 0.3358 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, 33, 18) }
```

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

```
.border{ border-color:rgb(223, 33, 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, 33, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 33, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 33, 18);  
box-shadow:4px 4px 4px 4px rgb(223, 33,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8194, 0.6206, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 33, 18) }
```

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

```
.background{ background-color: rgb(223, 33,  
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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