

Converting Colors

$Y_{xy}(16.8609, 0.6124, 0.3299)$

Have a look what the booklet for
Yxy(16.8609, 0.6124, 0.3299)
contains.

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Color

Yxy(16.8253, 0.6119, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	DF2020
RGB	223, 32, 32
RGB Percent	87%, 13%, 13%
CMY	0.1255, 0.8744, 0.8746
CMYK	0.00, 0.86, 0.86, 0.13
HSL	0°, 75%, 50%
HSV	0°, 86%, 87%
XYZ	31.2076, 16.8253, 2.9683
YIQ	89.1090, 113.8360, 40.4920

Conversions

Conversions Part 2

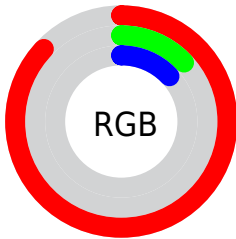
Format	Color
R_{YB}	223, 32, 32
Decimal	14622752
CIE Lab	48.04, 68.91, 50.22
CIE LCh	48, 85.267, 36.084
Yxy	16.8253, 0.6119, 0.3299
Android (android.graphics.Color)	4292812832 (0xFFDF2020)
YUV	89.1090, -28.1547, 117.4224
Hunter-Lab	41.0187, 64.0230, 24.4226

Details

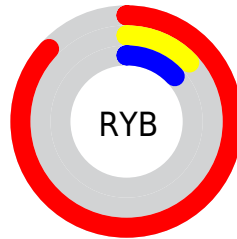
The Yxy color **16.8253, 0.6119, 0.3299** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **58.3815, 0.2268, 0.3287**, and the grayscale version is **10.0639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9389, 0.5303, 0.3475**, and **7.2691, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.9199, 0.6340, 0.3300**, and if you desaturate by 10%, it is **18.6253, 0.5744, 0.3298**.

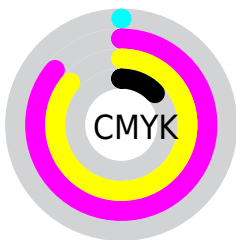
Distribution



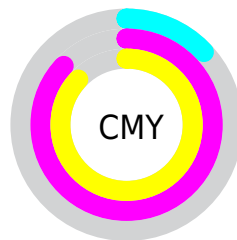
- Red (87%)
- Green (13%)
- Blue (13%)



- Red (87%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (86%)
- Yellow (86%)
- Black (13%)




- Cyan (13%)
- Magenta (87%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8253, 0.6119, 0.3299 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 16.8253, 0.6119, 0.3299 by changing the saturation by 10% instead.


 16.8253, 0.6119,
0.3299


 16.8253, 0.6119,
0.3299


234.1636, 0.4471,
0.3498


 10.1100, 0.6514,
0.3150


 38.0252, 0.5514,
0.3441


 5.4720, 0.7065,
0.2935

 53.2785, 0.5285,
0.3472

 2.5268, 0.7511,
0.2489

 72.1467, 0.5092,
0.3489

 0.8900, 0.8144,
0.1856

 95.0141, 0.4929,
0.3499

 0.0000, 1.0000,
0.0000


 122.2651, 0.4789,
0.3502


 0.0000, 0.0000,
0.0000


 154.2841, 0.4668,


0.3503


 191.4554, 0.4563,
0.3501

 16.8253, 0.6119,
0.3299


 16.8253, 0.6119,
0.3299


 15.9199, 0.6340,
0.3300

 18.6253, 0.5744,
0.3298


 15.6885, 0.6401,
0.3300


 21.4723, 0.5279,
0.3297


 25.4938, 0.4799,
0.3295

 30.7982, 0.4359,
0.3294

 37.4818, 0.3982,
0.3293

 45.6316, 0.3671,
0.3292

 55.3275, 0.3421,
0.3291

 66.6435, 0.3222,
0.3290

 79.6491, 0.3062,
0.3290

Harmonies

Analogous

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



16.8253, 0.5353, 0.2522



16.8253, 0.6119, 0.3299



16.8253, 0.5703, 0.4212

Triad

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



16.8253, 0.6119, 0.3299



16.8253, 0.2061, 0.5868



16.8253, 0.1298, 0.1240

Complementary

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



16.8253, 0.6119, 0.3299



58.3815, 0.2268, 0.3287

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.



16.8253, 0.0903, 0.1420



16.8253, 0.6119, 0.3299



16.8253, 0.1173, 0.3711

Square

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



16.8253, 0.6119, 0.3299



16.8253, 0.3297, 0.6336



16.8253, 0.0845, 0.2103



16.8253, 0.2169, 0.1382

Rectangle

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



16.8253, 0.6119, 0.3299



16.8253, 0.5030, 0.4970



16.8253, 0.0845, 0.2103



16.8253, 0.1124, 0.1260

Sweetspot

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



16.8264, 0.6119, 0.3299



61.1945, 0.3686, 0.3292



22.0470, 0.3207, 0.1597



12.2317, 0.3789, 0.3292



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.



16.8264, 0.6119, 0.3299



21.2614, 0.6401, 0.3300



31.0973, 0.5127, 0.4158



13.7011, 0.3292, 0.3291



9.2252, 0.6401, 0.3300



0.6396, 0.6400, 0.3300

Inverse Universe

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



58.3815, 0.2268, 0.3287



78.6990, 0.2246, 0.3287



20.9402, 0.1872, 0.1817



15.5718, 0.2982, 0.3290



34.1463, 0.2246, 0.3287



2.3670, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 16.8253, 0.6119, 0.3299 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 16.8253, 0.6119, 0.3299 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 16.8253, 0.6119, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 16.8253, 0.6119, 0.3299.



This preview shows how white text looks on a background with the Yxy color 16.8253, 0.6119, 0.3299.

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

16.8253, 0.6119, 0.3299

Protanopia

17.0897, 0.4078, 0.4459

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.8097, 0.6143, 0.3313

Trichromacy



Original Color

16.8253, 0.6119, 0.3299

Protanomaly

14.4654, 0.5021, 0.3862

Deuteranomaly

14.7956, 0.5445, 0.3980

Tritanomaly

16.8147, 0.6135, 0.3308

Monochromacy



Original Color

16.8253, 0.6119, 0.3299

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9549, 0.4498, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8253, 0.6119, 0.3299 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, 32, 32)` looks like.

```
.text, #text, p{  
    color:rgb(223, 32, 32)  
}
```

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, 32, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 32, 32) }
```

Border

The CSS property to change the border of an element to Yxy 16.8253, 0.6119, 0.3299 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, 32, 32) }
```

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

```
.border{ border-color:rgb(223, 32, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 32, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 32, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 32, 32);  
box-shadow:4px 4px 4px 4px rgb(223, 32,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8253, 0.6119, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 32, 32) }
```

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

```
.background{ background-color: rgb(223, 32,  
32) }
```

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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