

Converting Colors

$Y_{xy}(17.0720, 0.5785, 0.3298)$

Have a look what the booklet for
Yxy(17.0720, 0.5785, 0.3298)
contains.

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Color

Yxy(17.1104, 0.5789, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	D83232
RGB	216, 50, 50
RGB Percent	85%, 20%, 20%
CMY	0.1530, 0.8038, 0.8039
CMYK	0.00, 0.77, 0.77, 0.15
HSL	0°, 68%, 52%
HSV	0°, 77%, 85%
XYZ	30.0340, 17.1104, 4.7367
YIQ	99.6340, 98.9360, 35.1920

Conversions

Conversions Part 2

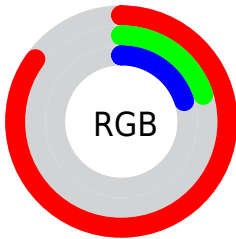
Format	Color
R _Y B	216, 50, 50
Decimal	14168626
CIE Lab	48.40, 62.98, 40.69
CIE LCh	48, 74.982, 32.867
Yxy	17.1104, 0.5789, 0.3298
Android (android.graphics.Color)	4292358706 (0xFFD83232)
YUV	99.6340, -24.4696, 102.0530
Hunter-Lab	41.3647, 57.2166, 22.1659

Details

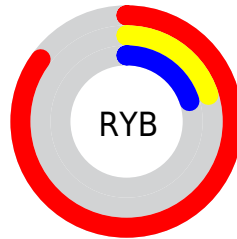
The Yxy color **17.1104, 0.5789, 0.3298** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **54.7305, 0.2298, 0.3287**, and the grayscale version is **12.6932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2749, 0.5028, 0.3416**, and **6.7833, 0.6358, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **15.5347, 0.6150, 0.3299**, and if you desaturate by 10%, it is **19.6462, 0.5331, 0.3297**.

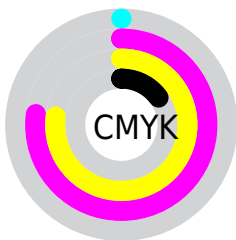
Distribution



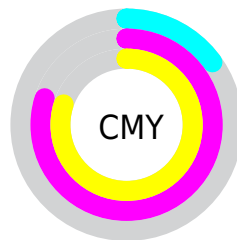
- Red (85%)
- Green (20%)
- Blue (20%)



- Red (85%)
- Yellow (20%)
- Blue (20%)



- Cyan (0%)
- Magenta (77%)
- Yellow (77%)
- Black (15%)





- Cyan (15%)
- Magenta (80%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1104, 0.5789, 0.3298 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 17.1104, 0.5789, 0.3298 by changing the saturation by 10% instead.


 17.1104, 0.5789,
0.3298


 17.1104, 0.5789,
0.3298


235.8078, 0.4286,
0.3438


 10.3132, 0.6184,
0.3187


 38.5155, 0.5217,
0.3400


 5.6071, 0.6692,
0.2999

 53.8922, 0.5007,
0.3421


 2.6077, 0.7333,
0.2667

 72.8976, 0.4834,
0.3433

 0.9305, 0.7953,
0.2047

 95.9160, 0.4688,
0.3439

 0.0000, 1.0000,
0.0000

 123.3318, 0.4565,
0.3442

 0.0000, 0.0000,
0.0000

 155.5294, 0.4459,

0.3442

192.8933, 0.4367,
0.3440

■ 17.1104, 0.5789,
0.3298

■ 17.1104, 0.5789,
0.3298

■ 15.5347, 0.6150,
0.3299

■ 19.6462, 0.5331,
0.3297

■ 14.7612, 0.6355,
0.3300

■ 23.2582, 0.4851,
0.3295

■ 14.5988, 0.6401,
0.3300

■ 28.0494, 0.4405,
0.3294

■ 34.1098, 0.4021,
0.3293

■ 41.5209, 0.3704,
0.3292

■ 50.3573, 0.3448,
0.3291

■ 60.6880, 0.3243,
0.3290

■ 72.5777, 0.3080,
0.3290

■ 86.0874, 0.2949,
0.3289

Harmonies

Analogous

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



17.1104, 0.4954, 0.2546



17.1104, 0.5789, 0.3298



17.1104, 0.5575, 0.4139

Triad

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



17.1104, 0.5789, 0.3298



17.1104, 0.2344, 0.5626



17.1104, 0.1393, 0.1408

Complementary

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



17.1104, 0.5789, 0.3298



54.7305, 0.2298, 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.



17.1104, 0.1049, 0.1637



17.1104, 0.5789, 0.3298



17.1104, 0.1438, 0.3886

Square

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



17.1104, 0.5789, 0.3298



17.1104, 0.3518, 0.5956



17.1104, 0.1041, 0.2371



17.1104, 0.2163, 0.1510

Rectangle

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



17.1104, 0.5789, 0.3298



17.1104, 0.5030, 0.4793



17.1104, 0.1041, 0.2371



17.1104, 0.1238, 0.1443

Sweetspot

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



17.1114, 0.5789, 0.3298



64.9037, 0.3604, 0.3292



21.8364, 0.3203, 0.1671



12.9404, 0.3704, 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.



17.1114, 0.5789, 0.3298



21.8279, 0.6292, 0.3299



31.6020, 0.4903, 0.4156



12.4211, 0.3291, 0.3291



8.6417, 0.6401, 0.3300



0.5213, 0.6400, 0.3300

Inverse Universe

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



54.7305, 0.2298, 0.3287



78.8687, 0.2254, 0.3287



22.4093, 0.1962, 0.1990



14.1075, 0.2983, 0.3290



31.9933, 0.2246, 0.3287



1.9298, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 17.1104, 0.5789, 0.3298 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 17.1104, 0.5789, 0.3298 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 17.1104, 0.5789, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 17.1104, 0.5789, 0.3298.



This preview shows how white text looks on a background with the Yxy color 17.1104, 0.5789, 0.3298.

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

17.1104, 0.5789, 0.3298

Protanopia

17.3686, 0.3833, 0.4172

Deuteranopia

17.3115, 0.4495, 0.4421



Tritanopia

17.1192, 0.5777, 0.3290

Trichromacy



Original Color

17.1104, 0.5789, 0.3298

Protanomaly

15.3841, 0.4631, 0.3745

Deuteranomaly

15.8045, 0.5092, 0.3887

Tritanomaly

17.1192, 0.5777, 0.3290

Monochromacy



Original Color

17.1104, 0.5789, 0.3298

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3946, 0.4170, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1104, 0.5789, 0.3298 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(216, 50, 50)` looks like.

```
.text, #text, p{  
    color:rgb(216, 50, 50)  
}
```

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(216, 50, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 50, 50) }
```

Border

The CSS property to change the border of an element to Yxy 17.1104, 0.5789, 0.3298 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(216, 50, 50) }
```

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

```
.border{ border-color:rgb(216, 50, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 50, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 50, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 50, 50);  
box-shadow:4px 4px 4px 4px rgb(216, 50,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1104, 0.5789, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 50, 50) }
```

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

```
.background{ background-color: rgb(216, 50,  
50) }
```

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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