

Converting Colors

$Y_{xy}(17.2234, 0.5918, 0.3301)$

Have a look what the booklet for
Yxy(17.2234, 0.5918, 0.3301)
contains.

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Color

Yxy(17.1989, 0.5920, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	DC2C2C
RGB	220, 44, 44
RGB Percent	86%, 17%, 17%
CMY	0.1372, 0.8275, 0.8273
CMYK	0.00, 0.80, 0.80, 0.14
HSL	360°, 72%, 52%
HSV	360°, 80%, 86%
XYZ	30.8725, 17.1989, 4.0781
YIQ	96.6240, 104.8960, 37.3120

Conversions

Conversions Part 2

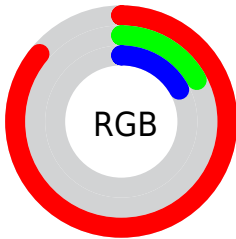
Format	Color
RYB	220, 44, 44
Decimal	14429228
CIELab	48.51, 65.64, 44.31
CIElCh	49, 79.197, 34.019
Yxy	17.1989, 0.5920, 0.3298
Android (android.graphics.Color)	4292619308 (0xFFDC2C2C)
YUV	96.6240, -25.9436, 108.2008
Hunter-Lab	41.4716, 60.3048, 23.1998

Details

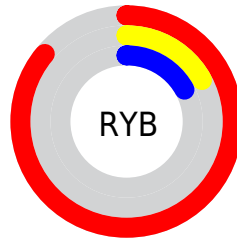
The Yxy color **17.1989, 0.5920, 0.3298** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **56.8912, 0.2286, 0.3288**, and the grayscale version is **11.9033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5307, 0.5118, 0.3441**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.8484, 0.6234, 0.3299**, and if you desaturate by 10%, it is **19.5066, 0.5484, 0.3297**.

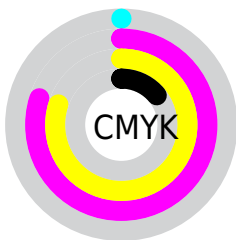
Distribution



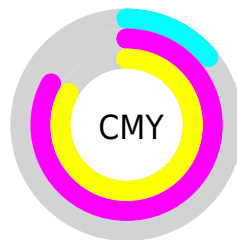
- Red (86%)
- Green (17%)
- Blue (17%)



- Red (86%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (14%)





- Cyan (14%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1989, 0.5920, 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 17.1989, 0.5920, 0.3298 by changing the saturation by 10% instead.


 17.1989, 0.5920,
0.3298


 17.1989, 0.5920,
0.3298


236.3160, 0.4359,
0.3459


 10.3764, 0.6316,
0.3173


 38.6674, 0.5334,
0.3414


 5.6492, 0.6843,
0.2978

 54.0823, 0.5116,
0.3439


 2.6330, 0.7400,
0.2600

 73.1300, 0.4935,
0.3453

 0.9433, 0.8020,
0.1980

 96.1950, 0.4783,
0.3460

 0.0000, 1.0000,
0.0000

 123.6617, 0.4653,
0.3463

 0.0000, 0.0000,
0.0000

 155.9145, 0.4541,

0.3463

193.3378, 0.4444,
0.3462

■ 17.1989, 0.5920,
0.3298

■ 17.1989, 0.5920,
0.3298

■ 15.8484, 0.6234,
0.3299

■ 19.5066, 0.5484,
0.3297


■ 15.2167, 0.6401,
0.3300


■ 22.9010, 0.5003,
0.3295


■ 27.4949, 0.4542,
0.3294


■ 33.3859, 0.4136,
0.3293

■ 40.6620, 0.3797,
0.3292

 49.4033, 0.3523,
0.3291

 59.6838, 0.3303,
0.3290

 71.5726, 0.3127,
0.3290

 85.1345, 0.2987,
0.3290

Harmonies

Analogous

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



17.1989, 0.5100, 0.2534



17.1989, 0.5920, 0.3298



17.1989, 0.5628, 0.4161

Triad

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



17.1989, 0.5920, 0.3298



17.1989, 0.2241, 0.5727



17.1989, 0.1353, 0.1341

Complementary

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



17.1989, 0.5920, 0.3298



56.8912, 0.2286, 0.3288

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.



17.1989, 0.0989, 0.1553



17.1989, 0.5920, 0.3298



17.1989, 0.1337, 0.3833

Square

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



17.1989, 0.5920, 0.3298



17.1989, 0.3444, 0.6099



17.1989, 0.0963, 0.2272



17.1989, 0.2159, 0.1458

Rectangle

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



17.1989, 0.5920, 0.3298



17.1989, 0.5043, 0.4860



17.1989, 0.0963, 0.2272



17.1989, 0.1190, 0.1371

Sweetspot

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



17.2000, 0.5920, 0.3298



63.6411, 0.3631, 0.3291



21.7318, 0.3172, 0.1623



12.6990, 0.3732, 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.



17.2000, 0.5920, 0.3298



21.5039, 0.6353, 0.3300



31.1172, 0.5021, 0.4130



13.0516, 0.3292, 0.3290



8.9300, 0.6401, 0.3300



0.5785, 0.6400, 0.3299

Inverse Universe

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



17.2000, 0.5920, 0.3298



21.5039, 0.6353, 0.3300



23.0132, 0.1940, 0.1974



13.0516, 0.3292, 0.3290



8.9300, 0.6401, 0.3300



0.5785, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 17.1989, 0.5920, 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 17.1989, 0.5920, 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 17.1989, 0.5920, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 17.1989, 0.5920, 0.3298.



This preview shows how white text looks on a background with the Yxy color 17.1989, 0.5920, 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

17.1989, 0.5920, 0.3298

Protanopia

17.4501, 0.3930, 0.4267

Deuteranopia

17.3516, 0.4575, 0.4497



Tritanopia

17.1989, 0.5920, 0.3298

Trichromacy



Original Color

17.1989, 0.5920, 0.3298

Protanomaly

15.1848, 0.4764, 0.3789

Deuteranomaly

15.6553, 0.5220, 0.3920

Tritanomaly

17.1989, 0.5920, 0.3298

Monochromacy



Original Color

17.1989, 0.5920, 0.3298

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.7496, 0.4276, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1989, 0.5920, 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(220, 44, 44)` looks like.

```
.text, #text, p{  
    color:rgb(220, 44, 44)  
}
```

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(220, 44, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 44, 44) }
```

Border

The CSS property to change the border of an element to Yxy 17.1989, 0.5920, 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(220, 44, 44) }
```

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

```
.border{ border-color:rgb(220, 44, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 44, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 44, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 44, 44);  
box-shadow:4px 4px 4px 4px rgb(220, 44,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1989, 0.5920, 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(220, 44, 44) }
```

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

```
.background{ background-color: rgb(220, 44,  
44) }
```

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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