

Converting Colors

$Y_{xy}(17.5175, 0.6216, 0.3299)$

Have a look what the booklet for
Yxy(17.5175, 0.6216, 0.3299)
contains.

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Color

Yxy(17.5884, 0.6219, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	E61919
RGB	230, 25, 25
RGB Percent	90%, 10%, 10%
CMY	0.0980, 0.9018, 0.9018
CMYK	0.00, 0.89, 0.89, 0.10
HSL	360°, 80%, 50%
HSV	360°, 89%, 90%
XYZ	33.1562, 17.5884, 2.5698
YIQ	86.2950, 122.1800, 43.4600

Conversions

Conversions Part 2

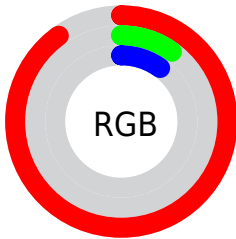
Format	Color
RYB	230, 25, 25
Decimal	15079705
CIELab	48.99, 71.83, 54.69
CIELCh	49, 90.282, 37.283
Yxy	17.5884, 0.6219, 0.3299
Android (android.graphics.Color)	4293269785 (0xFFE61919)
YUV	86.2950, -30.2184, 126.0293
Hunter-Lab	41.9385, 67.7279, 25.7240

Details

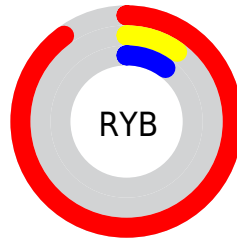
The Yxy color **17.5884, 0.6219, 0.3299** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **62.5113, 0.2260, 0.3288**, and the grayscale version is **9.4230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4764, 0.5380, 0.3503**, and **7.8925, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.8711, 0.6389, 0.3300**, and if you desaturate by 10%, it is **19.1527, 0.5894, 0.3298**.

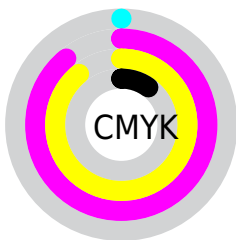
Distribution



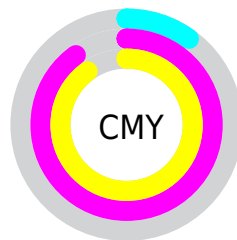
- Red (90%)
- Green (10%)
- Blue (10%)



- Red (90%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (89%)
- Yellow (89%)
- Black (10%)



- Cyan (10%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5884, 0.6219, 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 17.5884, 0.6219, 0.3299 by changing the saturation by 10% instead.


 17.5884, 0.6219,
0.3299


 17.5884, 0.6219,
0.3299


238.5407, 0.4548,
0.3522


 10.6549, 0.6602,
0.3140


 39.3347, 0.5619,
0.3455


 5.8353, 0.7098,
0.2902

 54.9163, 0.5387,
0.3490


 2.7452, 0.7536,
0.2464

 74.1494, 0.5191,
0.3510

 1.0002, 0.8149,
0.1851

 97.4183, 0.5023,
0.3521

 0.0000, 1.0000,
0.0000

 125.1075, 0.4879,
0.3526

 0.0000, 0.0000,
0.0000


 157.6014, 0.4753,


0.3527

 195.2843, 0.4644,
0.3525


 17.5884, 0.6219,
0.3299

 17.5884, 0.6219,
0.3299

 16.8711, 0.6389,
0.3300

 19.1527, 0.5894,
0.3298

 16.8226, 0.6401,
0.3300


 21.7883, 0.5451,
0.3297

 25.6421, 0.4968,
0.3295


 30.8372, 0.4509,
0.3294

 37.4818, 0.4107,
0.3293

 45.6728, 0.3773,
0.3292

 55.4989, 0.3502,
0.3291

 67.0423, 0.3286,
0.3290

 80.3793, 0.3113,
0.3290

Harmonies

Analogous

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



17.5884, 0.5499, 0.2517



17.5884, 0.6219, 0.3299



17.5884, 0.5736, 0.4244

Triad

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



17.5884, 0.6219, 0.3299



17.5884, 0.1957, 0.5932



17.5884, 0.1274, 0.1189

Complementary

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



17.5884, 0.6219, 0.3299



62.5113, 0.2260, 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.



17.5884, 0.0861, 0.1350



17.5884, 0.6219, 0.3299



17.5884, 0.1086, 0.3627

Square

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



17.5884, 0.6219, 0.3299



17.5884, 0.3205, 0.6470



17.5884, 0.0785, 0.2009



17.5884, 0.2183, 0.1345

Rectangle

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



17.5884, 0.6219, 0.3299



17.5884, 0.4987, 0.5013



17.5884, 0.0785, 0.2009



17.5884, 0.1092, 0.1204

Sweetspot

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



17.5895, 0.6219, 0.3299



59.9929, 0.3715, 0.3292



22.6725, 0.3170, 0.1557



12.0017, 0.3818, 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.



17.5895, 0.6219, 0.3299



21.2600, 0.6401, 0.3300



31.3327, 0.5252, 0.4111



14.3680, 0.3293, 0.3290



9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3300

Inverse Universe

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



17.5895, 0.6219, 0.3299



21.2600, 0.6401, 0.3300



22.1339, 0.1855, 0.1802



14.3680, 0.3293, 0.3290



9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3300

Previews

White Background



This preview shows how the Yxy color 17.5884, 0.6219, 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 17.5884, 0.6219, 0.3299 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5884, 0.6219, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 17.5884, 0.6219, 0.3299.



This preview shows how white text looks on a background with the Yxy color 17.5884, 0.6219, 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

17.5884, 0.6219, 0.3299

Protanopia

17.9716, 0.4143, 0.4564

Deuteranopia

17.6648, 0.4706, 0.4645



Tritanopia

17.6088, 0.6249, 0.3323

Trichromacy



Original Color

17.5884, 0.6219, 0.3299

Protanomaly

14.6961, 0.5148, 0.3888

Deuteranomaly

15.2220, 0.5516, 0.3946

Tritanomaly

17.6159, 0.6239, 0.3316

Monochromacy



Original Color

17.5884, 0.6219, 0.3299

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.4402, 0.4620, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5884, 0.6219, 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(230, 25, 25)` looks like.

```
.text, #text, p{  
    color:rgb(230, 25, 25)  
}
```

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(230, 25, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 25, 25) }
```

Border

The CSS property to change the border of an element to Yxy 17.5884, 0.6219, 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(230, 25, 25) }
```

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

```
.border{ border-color:rgb(230, 25, 25) }
```

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

Here you see how a box with a 4 pixel rgb(230, 25, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 25, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 25, 25);  
box-shadow:4px 4px 4px 4px rgb(230, 25,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5884, 0.6219, 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(230, 25, 25) }
```

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

```
.background{ background-color: rgb(230, 25,  
25) }
```

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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