

Converting Colors

$Y_{xy}(17.7758, 0.6039, 0.3300)$

Have a look what the booklet for
Yxy(17.7758, 0.6039, 0.3300)
contains.

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Color

Yxy(17.6949, 0.6041, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	E22626
RGB	226, 38, 38
RGB Percent	89%, 15%, 15%
CMY	0.1138, 0.8507, 0.8510
CMYK	0.00, 0.83, 0.83, 0.11
HSL	0°, 76%, 52%
HSV	0°, 83%, 89%
XYZ	32.4022, 17.6949, 3.5401
YIQ	94.2120, 112.0480, 39.8560

Conversions

Conversions Part 2

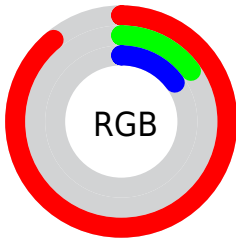
Format	Color
R_{YB}	226, 38, 38
Decimal	14820902
CIE Lab	49.12, 68.58, 48.45
CIE LCh	49, 83.968, 35.240
Yxy	17.6949, 0.6041, 0.3299
Android (android.graphics.Color)	4293010982 (0xFFE22626)
YUV	94.2120, -27.7125, 115.5781
Hunter-Lab	42.0653, 63.8813, 24.4561

Details

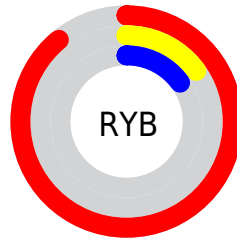
The Yxy color **17.6949, 0.6041, 0.3299** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **60.2369, 0.2275, 0.3286**, and the grayscale version is **11.3014, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8165, 0.5207, 0.3464**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.5565, 0.6303, 0.3300**, and if you desaturate by 10%, it is **19.7990, 0.5637, 0.3298**.

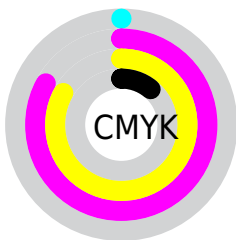
Distribution



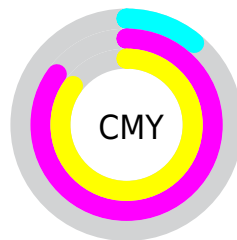
- Red (89%)
- Green (15%)
- Blue (15%)



- Red (89%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (83%)
- Yellow (83%)
- Black (11%)





- Cyan (11%)
- Magenta (85%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6949, 0.6041, 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 17.6949, 0.6041, 0.3299 by changing the saturation by 10% instead.


 17.6949, 0.6041,
0.3299


 17.6949, 0.6041,
0.3299


239.1457, 0.4436,
0.3482


 10.7312, 0.6432,
0.3162


 39.5168, 0.5449,
0.3429


 5.8864, 0.6973,
0.2965


 55.1437, 0.5226,
0.3457


 2.7761, 0.7446,
0.2554


 74.4271, 0.5039,
0.3474

 1.0160, 0.8055,
0.1945

 97.7514, 0.4880,
0.3482

 0.0000, 1.0000,
0.0000


 125.5010, 0.4745,
0.3486


 0.0000, 0.0000,
0.0000


 158.0604, 0.4627,


0.3486


 195.8138, 0.4526,
0.3485


 17.6949, 0.6041,
0.3299


 17.6949, 0.6041,
0.3299

 16.5565, 0.6303,
0.3300


 19.7990, 0.5637,
0.3298

 16.1677, 0.6400,
0.3300

 23.0169, 0.5162,
0.3297

 27.4752, 0.4688,
0.3295

 33.2823, 0.4261,
0.3294

 40.5350, 0.3900,
0.3293

 49.3212, 0.3605,
0.3292

 59.7217, 0.3368,
0.3291

 71.8118, 0.3179,
0.3290

 85.6619, 0.3028,
0.3290

Harmonies

Analogous

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



17.6949, 0.5249, 0.2526



17.6949, 0.6041, 0.3299



17.6949, 0.5672, 0.4188

Triad

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



17.6949, 0.6041, 0.3299



17.6949, 0.2135, 0.5814



17.6949, 0.1319, 0.1280

Complementary

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



17.6949, 0.6041, 0.3299



60.2369, 0.2275, 0.3286

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.



17.6949, 0.0937, 0.1473



17.6949, 0.6041, 0.3299



17.6949, 0.1238, 0.3764

Square

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



17.6949, 0.6041, 0.3299



17.6949, 0.3359, 0.6240



17.6949, 0.0891, 0.2172



17.6949, 0.2164, 0.1412

Rectangle

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



17.6949, 0.6041, 0.3299



17.6949, 0.5047, 0.4933



17.6949, 0.0891, 0.2172



17.6949, 0.1149, 0.1304

Sweetspot

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



17.6960, 0.6041, 0.3299



62.4160, 0.3658, 0.3292



23.0406, 0.3206, 0.1614



12.4653, 0.3760, 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.



17.6960, 0.6041, 0.3299



21.2625, 0.6401, 0.3300



32.8030, 0.5069, 0.4162



13.7015, 0.3292, 0.3291



9.2260, 0.6400, 0.3300



0.6399, 0.6399, 0.3301

Inverse Universe

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



60.2369, 0.2275, 0.3286



78.6663, 0.2246, 0.3286



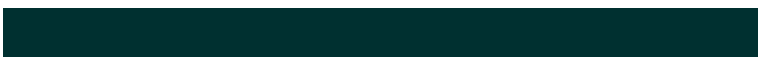
22.3993, 0.1894, 0.1863



15.5713, 0.2982, 0.3289



34.1324, 0.2246, 0.3286



2.3662, 0.2246, 0.3286

Previews

White Background



This preview shows how the Yxy color 17.6949, 0.6041, 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 17.6949, 0.6041, 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 17.6949, 0.6041, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 17.6949, 0.6041, 0.3299.



This preview shows how white text looks on a background with the Yxy color 17.6949, 0.6041, 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

17.6949, 0.6041, 0.3299

Protanopia

18.0082, 0.4005, 0.4385

Deuteranopia

17.6993, 0.4659, 0.4585



Tritanopia

17.6885, 0.6050, 0.3304

Trichromacy



Original Color

17.6949, 0.6041, 0.3299

Protanomaly

15.3831, 0.4905, 0.3833

Deuteranomaly

15.6326, 0.5365, 0.3951

Tritanomaly

17.6885, 0.6050, 0.3304

Monochromacy



Original Color

17.6949, 0.6041, 0.3299

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1428, 0.4387, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6949, 0.6041, 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(226, 38, 38)` looks like.

```
.text, #text, p{  
    color:rgb(226, 38, 38)  
}
```

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(226, 38, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 38, 38) }
```

Border

The CSS property to change the border of an element to Yxy 17.6949, 0.6041, 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(226, 38, 38) }
```

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

```
.border{ border-color:rgb(226, 38, 38) }
```

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

Here you see how a box with a 4 pixel rgb(226, 38, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 38, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 38, 38);  
box-shadow:4px 4px 4px 4px rgb(226, 38,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6949, 0.6041, 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(226, 38, 38) }
```

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

```
.background{ background-color: rgb(226, 38,  
38) }
```

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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