

Converting Colors

$Yxy(17.6046, 0.6385, 0.3291)$

Have a look what the booklet for
Yxy(17.6046, 0.6385, 0.3291)
contains.

Yxy(17.6731, 0.6384, 0.3291)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.6731, 0.6384, 0.3291)

Conversions

Conversions Part 1

Format	Color
Hex	EB0005
RGB	235, 0, 5
RGB Percent	92%, 0%, 2%
CMY	0.0785, 0.9991, 0.9807
CMYK	0.00, 1.00, 0.98, 0.08
HSL	359°, 100%, 46%
HSV	359°, 100%, 92%
XYZ	34.2829, 17.6731, 1.7453
YIQ	70.8350, 138.4550, 51.3750

Conversions

Conversions Part 2

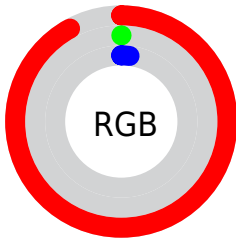
Format	Color
RYB	235, 0, 5
Decimal	15400965
CIELab	49.10, 75.33, 61.81
CIELCh	49, 97.440, 39.371
Yxy	17.6731, 0.6384, 0.3291
Android (android.graphics.Color)	4293591045 (0xFFEB0005)
YUV	70.8350, -32.4567, 143.9727
Hunter-Lab	42.0394, 71.9970, 26.9661

Details

The Yxy color **17.6731, 0.6384, 0.3291** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **65.1358, 0.2264, 0.3349**, and the grayscale version is **6.3309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2301, 0.5562, 0.3545**, and **8.3248, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6688, 0.6385, 0.3291**, and if you desaturate by 10%, it is **18.3841, 0.6214, 0.3284**.

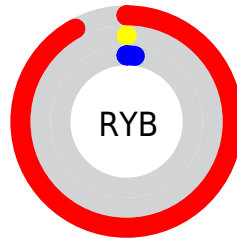
Distribution



Red (92%)

Green (0%)

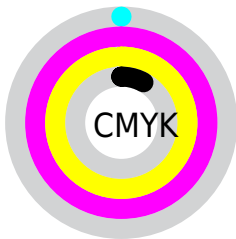
Blue (2%)



Red (92%)

Yellow (0%)

Blue (2%)

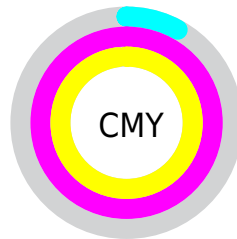


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (8%)



Cyan (8%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.6731, 0.6384, 0.3291 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 17.6731, 0.6384, 0.3291 by changing the saturation by 10% instead.


 17.6731, 0.6384,
0.3291


 17.6731, 0.6384,
0.3291


 239.0220, 0.4669,
0.3566


 10.7155, 0.6770,
0.3117

 39.4795, 0.5789,
0.3478


 5.8759, 0.7174,
0.2826

 55.0971, 0.5552,
0.3521

 2.7698, 0.7616,
0.2384

 74.3703, 0.5348,
0.3547

 1.0127, 0.8227,
0.1773

 97.6833, 0.5173,
0.3561

 0.0000, 1.0000,
0.0000


 125.4205, 0.5021,
0.3568


 0.0000, 0.0000,
0.0000


 157.9665, 0.4888,


0.3570


 195.7055, 0.4772,
0.3569


 17.6731, 0.6384,
0.3291


 17.6731, 0.6384,
0.3291


 17.6688, 0.6385,
0.3291

 18.3841, 0.6214,
0.3284

 19.9482, 0.5890,
0.3275

 22.6240, 0.5451,
0.3269

 26.5666, 0.4973,
0.3267

 31.9063, 0.4517,
0.3268

■ 38.7575, 0.4117,
0.3272

■ 47.2227, 0.3784,
0.3276

■ 57.3955, 0.3514,
0.3281

■ 69.3622, 0.3298,
0.3286

Harmonies

Analogous

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



17.6731, 0.5766, 0.2506



17.6731, 0.6384, 0.3291



17.6731, 0.5733, 0.4267

Triad

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



17.6731, 0.6384, 0.3291



17.6731, 0.1765, 0.6037



17.6731, 0.1233, 0.1100

Complementary

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



17.6731, 0.6384, 0.3291



65.1358, 0.2264, 0.3349

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.



17.6731, 0.0791, 0.1231



17.6731, 0.6384, 0.3291



17.6731, 0.0935, 0.3462

Square

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



17.6731, 0.6384, 0.3291



17.6731, 0.3029, 0.6723



17.6731, 0.0685, 0.1841



17.6731, 0.2212, 0.1281

Rectangle

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



17.6731, 0.6384, 0.3291



17.6731, 0.4902, 0.5098



17.6731, 0.0685, 0.1841



17.6731, 0.1040, 0.1106

Sweetspot

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



17.6742, 0.6384, 0.3291



56.5965, 0.3791, 0.3276



22.3578, 0.3125, 0.1495



11.1420, 0.3925, 0.3274



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.



17.6742, 0.6384, 0.3291



21.2711, 0.6387, 0.3292



28.7631, 0.5526, 0.3993



15.0589, 0.3290, 0.3286



9.8377, 0.6379, 0.3288



0.7742, 0.6320, 0.3255

Inverse Universe

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



17.6742, 0.6384, 0.3291



21.2711, 0.6387, 0.3292



20.7743, 0.1797, 0.1668



15.0589, 0.3290, 0.3286



9.8377, 0.6379, 0.3288



0.7742, 0.6320, 0.3255

Previews

White Background



This preview shows how the Yxy color 17.6731, 0.6384, 0.3291 looks on a white background.

Color Contrast Check

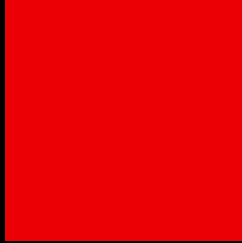
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.6731, 0.6384, 0.3291 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 17.6731, 0.6384, 0.3291

Background



This preview shows how black text looks on a background with the Yxy color 17.6731, 0.6384, 0.3291.



This preview shows how white text looks on a background with the Yxy color 17.6731, 0.6384, 0.3291.

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

17.6731, 0.6384, 0.3291

Protanopia

18.2791, 0.4262, 0.4717

Deuteranopia

18.1998, 0.4686, 0.4661



Tritanopia

17.8975, 0.6340, 0.3348

Trichromacy



Original Color

17.6731, 0.6384, 0.3291



Protanomaly

13.7729, 0.5442, 0.3882



Deuteranomaly

14.3424, 0.5685, 0.3855



Tritanomaly

17.8109, 0.6361, 0.3322

Monochromacy



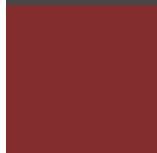
Original Color

17.6731, 0.6384, 0.3291



Achromatopsia

6.3010, 0.3127, 0.3290



Achromatomaly

6.9073, 0.5107, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6731, 0.6384, 0.3291 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(235, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 5)  
}
```

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(235, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 5) }
```

Border

The CSS property to change the border of an element to Yxy 17.6731, 0.6384, 0.3291 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(235, 0, 5) }
```

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

```
.border{ border-color:rgb(235, 0, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 0, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(235, 0, 5); box-shadow:4px  
4px 4px 4px rgb(235, 0, 5) }
```


Background

The CSS property to change the background color of an element to Yxy 17.6731, 0.6384, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 5) }
```

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

```
.background{ background-color: rgb(235, 0,  
5) }
```

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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