

Converting Colors

$Y_{xy}(17.5941, 0.6220, 0.3190)$

Have a look what the booklet for
Yxy(17.5941, 0.6220, 0.3190)
contains.

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Color

Yxy(17.6198, 0.6212, 0.3196)

Conversions

Conversions Part 1

Format	Color
Hex	EA0024
RGB	234, 0, 36
RGB Percent	92%, 0%, 14%
CMY	0.0824, 0.9994, 0.8589
CMYK	0.00, 1.00, 0.85, 0.08
HSL	351°, 100%, 46%
HSV	351°, 100%, 92%
XYZ	34.2472, 17.6198, 3.2637
YIQ	74.0700, 127.9080, 60.8040

Conversions

Conversions Part 2

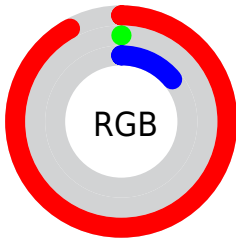
Format	Color
RYB	234, 0, 36
Decimal	15335460
CIELab	49.03, 75.49, 50.00
CIELCh	49, 90.541, 33.518
Yxy	17.6198, 0.6212, 0.3196
Android (android.graphics.Color)	4293525540 (0xFFEA0024)
YUV	74.0700, -18.7685, 140.2586
Hunter-Lab	41.9759, 72.1763, 24.7732

Details

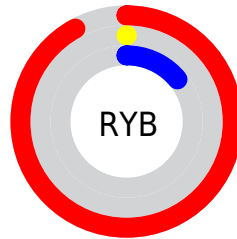
The Yxy color **17.6198, 0.6212, 0.3196** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **62.9241, 0.2386, 0.3788**, and the grayscale version is **6.8932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5388, 0.5323, 0.3372**, and **8.3248, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.6169, 0.6213, 0.3196**, and if you desaturate by 10%, it is **18.4087, 0.5946, 0.3131**.

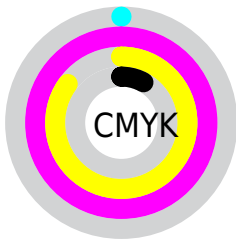
Distribution



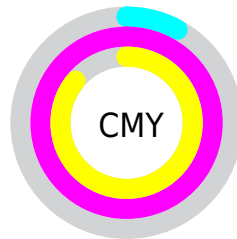
- Red (92%)
- Green (0%)
- Blue (14%)



- Red (92%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.6198, 0.6212, 0.3196 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 17.6198, 0.6212, 0.3196 by changing the saturation by 10% instead.


 17.6198, 0.6212,
0.3196

 17.6198, 0.6212,
0.3196


238.7192, 0.4526,
0.3454


 10.6774, 0.6613,
0.3037


 39.3884, 0.5597,
0.3357


 5.8503, 0.7179,
0.2819

 54.9834, 0.5362,
0.3397

 2.7543, 0.7623,
0.2377

 74.2313, 0.5165,
0.3422

 1.0048, 0.8235,
0.1765

 97.5166, 0.4997,
0.3437

 0.0000, 1.0000,
0.0000


 125.2236, 0.4854,
0.3446

 0.0000, 0.0000,
0.0000


 157.7368, 0.4729,


0.3451


 195.4405, 0.4621,
0.3453


 17.6198, 0.6212,
0.3196

 17.6198, 0.6212,
0.3196


 17.6169, 0.6213,
0.3196

 18.4087, 0.5946,
0.3131


 20.0356, 0.5575,
0.3083

 22.7480, 0.5146,
0.3063


 26.6936, 0.4715,
0.3069

 31.9969, 0.4320,
0.3093

 38.7672, 0.3978,
0.3129

 47.1024, 0.3695,
0.3170

 57.0922, 0.3463,
0.3212

 68.8193, 0.3277,
0.3252

Harmonies

Analogous

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



17.6198, 0.5318, 0.2420



17.6198, 0.6212, 0.3196



17.6198, 0.5840, 0.4103

Triad

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



17.6198, 0.6212, 0.3196



17.6198, 0.2099, 0.6147



17.6198, 0.1197, 0.1187

Complementary

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



17.6198, 0.6212, 0.3196



62.9241, 0.2386, 0.3788

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.



17.6198, 0.0832, 0.1396



17.6198, 0.6212, 0.3196



17.6198, 0.1158, 0.3915

Square

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



17.6198, 0.6212, 0.3196



17.6198, 0.3373, 0.6397



17.6198, 0.0795, 0.2145



17.6198, 0.2031, 0.1306

Rectangle

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



17.6198, 0.6212, 0.3196



17.6198, 0.5142, 0.4858



17.6198, 0.0795, 0.2145



17.6198, 0.1034, 0.1216

Sweetspot

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



17.6209, 0.6212, 0.3196



57.0276, 0.3700, 0.3169



17.5471, 0.2785, 0.1308



11.2401, 0.3814, 0.3152



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.



17.6209, 0.6212, 0.3196



21.4070, 0.6221, 0.3201



22.9531, 0.5902, 0.3695



15.0917, 0.3269, 0.3254



9.9124, 0.6184, 0.3180



0.7899, 0.5844, 0.2993

Inverse Universe

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



17.6209, 0.6212, 0.3196



21.4070, 0.6221, 0.3201



29.7317, 0.1929, 0.2145



15.0917, 0.3269, 0.3254



9.9124, 0.6184, 0.3180



0.7899, 0.5844, 0.2993

Previews

White Background



This preview shows how the Yxy color 17.6198, 0.6212, 0.3196 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 17.6198, 0.6212, 0.3196 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 17.6198, 0.6212, 0.3196

Background



This preview shows how black text looks on a background with the Yxy color 17.6198, 0.6212, 0.3196.



This preview shows how white text looks on a background with the Yxy color 17.6198, 0.6212, 0.3196.

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

17.6198, 0.6212, 0.3196

Protanopia

18.0979, 0.4009, 0.4363

Deuteranopia

18.0724, 0.4715, 0.4638

Trichromacy



Original Color

17.6198, 0.6212, 0.3196

Protanomaly

13.5960, 0.5123, 0.3616

Deuteranomaly

14.3593, 0.5662, 0.3802

Monochromacy



Original Color

17.6198, 0.6212, 0.3196

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.2648, 0.4790, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.6198, 0.6212, 0.3196 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(234, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(234, 0, 36)  
}
```

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(234, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 0, 36) }
```

Border

The CSS property to change the border of an element to Yxy 17.6198, 0.6212, 0.3196 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(234, 0, 36) }
```

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

```
.border{ border-color:rgb(234, 0, 36) }
```

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

Here you see how a box with a 4 pixel rgb(234, 0, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(234, 0, 36)  
}
```

Background

The CSS property to change the background color of an element to Yxy 17.6198, 0.6212, 0.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 0, 36) }
```

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

```
.background{ background-color: rgb(234, 0,  
36) }
```

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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