

Converting Colors

$Y_{xy}(16.8958, 0.6052, 0.3205)$

Have a look what the booklet for
Yxy(16.8958, 0.6052, 0.3205)
contains.

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Color

Yxy(16.8847, 0.6044, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	E1192C
RGB	225, 25, 44
RGB Percent	88%, 10%, 17%
CMY	0.1177, 0.9017, 0.8275
CMYK	0.00, 0.89, 0.80, 0.12
HSL	354°, 80%, 49%
HSV	354°, 89%, 88%
XYZ	31.8512, 16.8847, 3.9630
YIQ	86.9660, 113.1010, 48.3090

Conversions

Conversions Part 2

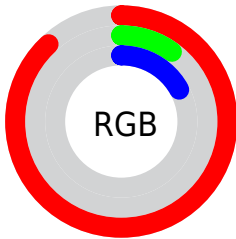
Format	Color
RYB	225, 25, 44
Decimal	14752044
CIELab	48.11, 70.94, 44.26
CIElCh	48, 83.616, 31.962
Yxy	16.8847, 0.6044, 0.3204
Android (android.graphics.Color)	4292942124 (0xFFE1192C)
YUV	86.9660, -21.1822, 121.0558
Hunter-Lab	41.0910, 66.4528, 23.0456

Details

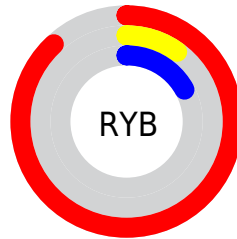
The Yxy color **16.8847, 0.6044, 0.3204** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.5110, 0.2336, 0.3553**, and the grayscale version is **9.5594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5647, 0.5194, 0.3349**, and **7.4736, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.1259, 0.6288, 0.3246**, and if you desaturate by 10%, it is **18.4588, 0.5673, 0.3171**.

Distribution



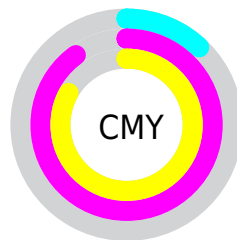
- Red (88%)
- Green (10%)
- Blue (17%)



- Red (88%)
- Yellow (10%)
- Blue (17%)



- Cyan (0%)
- Magenta (89%)
- Yellow (80%)
- Black (12%)




- Cyan (12%)
- Magenta (90%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8847, 0.6044, 0.3204 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 16.8847, 0.6044, 0.3204 by changing the saturation by 10% instead.

 16.8847, 0.6044,
0.3204


 16.8847, 0.6044,
0.3204


234.5071, 0.4415,
0.3426


 10.1523, 0.6454,
0.3062


 38.1274, 0.5434,
0.3345

 5.5001, 0.7002,
0.2846

 53.4066, 0.5207,
0.3378


 2.5436, 0.7559,
0.2441

 72.3034, 0.5018,
0.3399

 0.8984, 0.8191,
0.1809

 95.2024, 0.4858,
0.3412

 0.0000, 1.0000,
0.0000

 122.4878, 0.4722,
0.3420

 0.0000, 0.0000,
0.0000

 154.5441, 0.4605,

0.3424

191.7558, 0.4504,
0.3426

■ 16.8847, 0.6044,
0.3204

■ 16.8847, 0.6044,
0.3204

■ 16.1259, 0.6288,
0.3246

■ 18.4588, 0.5673,
0.3171


■ 16.0610, 0.6309,
0.3249

■ 21.0460, 0.5230,
0.3156


■ 24.7803, 0.4777,
0.3158


■ 29.7745, 0.4360,
0.3173

■ 36.1278, 0.4001,
0.3194

 43.9295, 0.3703,
0.3219

 53.2614, 0.3461,
0.3245

 64.1990, 0.3267,
0.3270

 76.8131, 0.3111,
0.3293

Harmonies

Analogous

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



16.8847, 0.5114, 0.2435



16.8847, 0.6044, 0.3204



16.8847, 0.5771, 0.4074

Triad

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



16.8847, 0.6044, 0.3204



16.8847, 0.2247, 0.6004



16.8847, 0.1245, 0.1270

Complementary

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



16.8847, 0.6044, 0.3204



58.5110, 0.2336, 0.3553

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.



16.8847, 0.0902, 0.1504



16.8847, 0.6044, 0.3204



16.8847, 0.1292, 0.4003

Square

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



16.8847, 0.6044, 0.3204



16.8847, 0.3491, 0.6201



16.8847, 0.0891, 0.2283



16.8847, 0.2033, 0.1369

Rectangle

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



16.8847, 0.6044, 0.3204



16.8847, 0.5182, 0.4815



16.8847, 0.0891, 0.2283



16.8847, 0.1090, 0.1305

Sweetspot

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



16.8858, 0.6044, 0.3204



60.2766, 0.3659, 0.3224



19.1125, 0.2984, 0.1458



12.0662, 0.3752, 0.3215



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.



16.8858, 0.6044, 0.3204



21.3266, 0.6318, 0.3254



26.1868, 0.5453, 0.3936



13.7215, 0.3277, 0.3268



9.2637, 0.6288, 0.3238



0.6494, 0.6011, 0.3085

Inverse Universe

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



16.8858, 0.6044, 0.3204



21.3266, 0.6318, 0.3254



25.9002, 0.1930, 0.2072



13.7215, 0.3277, 0.3268



9.2637, 0.6288, 0.3238



0.6494, 0.6011, 0.3085

Previews

White Background



This preview shows how the Yxy color 16.8847, 0.6044, 0.3204 looks on a white background.

Color Contrast Check

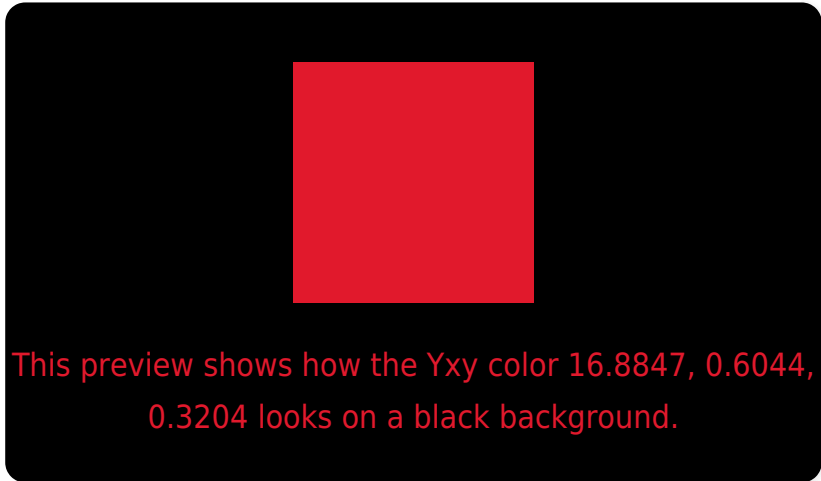
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 16.8847, 0.6044, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 16.8847, 0.6044, 0.3204.



This preview shows how white text looks on a background with the Yxy color 16.8847, 0.6044, 0.3204.

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

16.8847, 0.6044, 0.3204

Protanopia

17.1023, 0.3876, 0.4209

Deuteranopia

17.0362, 0.4589, 0.4508



Tritanopia

16.9522, 0.6198, 0.3319

Trichromacy



Original Color

16.8847, 0.6044, 0.3204

Protanomaly

14.0317, 0.4847, 0.3635

Deuteranomaly

14.5573, 0.5357, 0.3813

Tritanomaly

16.9370, 0.6153, 0.3286

Monochromacy



Original Color

16.8847, 0.6044, 0.3204

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4401, 0.4457, 0.3167

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8847, 0.6044, 0.3204 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(225, 25, 44)` looks like.

```
.text, #text, p{  
  color:rgb(225, 25, 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(225, 25, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 25, 44) }
```

Border

The CSS property to change the border of an element to Yxy 16.8847, 0.6044, 0.3204 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(225, 25, 44) }
```

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

```
.border{ border-color:rgb(225, 25, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 25, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 25, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 25, 44);  
box-shadow:4px 4px 4px 4px rgb(225, 25,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8847, 0.6044, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 25, 44) }
```

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

```
.background{ background-color: rgb(225, 25,  
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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