

Converting Colors

$Y_{xy}(17.3157, 0.6055, 0.3089)$

Have a look what the booklet for
Yxy(17.3157, 0.6055, 0.3089)
contains.

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Color

Yxy(17.4037, 0.6040, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	E80034
RGB	232, 0, 52
RGB Percent	91%, 0%, 20%
CMY	0.0902, 0.9997, 0.7961
CMYK	0.00, 1.00, 0.78, 0.09
HSL	347°, 100%, 46%
HSV	347°, 100%, 91%
XYZ	33.8982, 17.4037, 4.8210
YIQ	75.2960, 121.5800, 65.3560

Conversions

Conversions Part 2

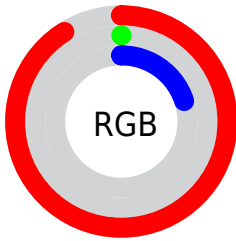
Format	Color
R_{YB}	232, 0, 52
Decimal	15204404
CIE Lab	48.76, 75.42, 40.91
CIE LCh	49, 85.803, 28.475
Yxy	17.4037, 0.6040, 0.3101
Android (android.graphics.Color)	4293394484 (0xFFE80034)
YUV	75.2960, -11.4849, 137.4294
Hunter-Lab	41.7177, 72.0361, 22.3508

Details

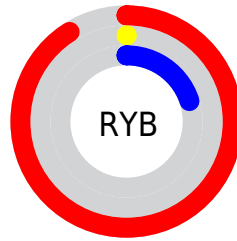
The Yxy color **17.4037, 0.6040, 0.3101** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **61.0106, 0.2455, 0.4036**, and the grayscale version is **7.1039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8151, 0.5132, 0.3234**, and **8.2352, 0.6337, 0.3265** is the 20% darker color. If you saturate the color by 10%, you get **17.4030, 0.6041, 0.3101**, and if you desaturate by 10%, it is **18.2211, 0.5744, 0.3017**.

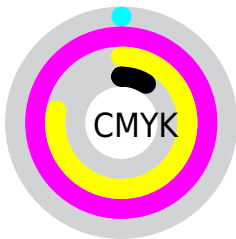
Distribution



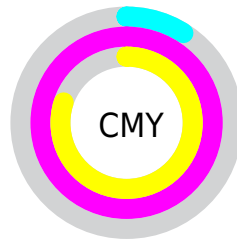
- Red (91%)
- Green (0%)
- Blue (20%)



- Red (91%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4037, 0.6040, 0.3101 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 17.4037, 0.6040, 0.3101 by changing the saturation by 10% instead.


 17.4037, 0.6040,
0.3101


 17.4037, 0.6040,
0.3101


237.4882, 0.4411,
0.3365


 10.5227, 0.6457,
0.2957


 39.0186, 0.5427,
0.3251


 5.7469, 0.6982,
0.2730

 54.5213, 0.5200,
0.3291


 2.6918, 0.7636,
0.2364

 73.6667, 0.5011,
0.3317

 0.9730, 0.8253,
0.1747

 96.8392, 0.4852,
0.3335

 0.0000, 1.0000,
0.0000

 124.4232, 0.4717,
0.3347

 0.0000, 0.0000,
0.0000

 156.8031, 0.4600,

0.3356

194.3633, 0.4499,
0.3361

■ 17.4037, 0.6040,
0.3101

■ 17.4037, 0.6040,
0.3101

■ 17.4030, 0.6041,
0.3101

■ 18.2211, 0.5744,
0.3017

■ 19.8506, 0.5374,
0.2960

■ 22.5347, 0.4969,
0.2943

■ 26.4160, 0.4573,
0.2960

■ 31.6146, 0.4214,
0.3000

■ 38.2361, 0.3905,
0.3054

■ 46.3753, 0.3648,
0.3114

■ 56.1187, 0.3437,
0.3175

■ 67.5464, 0.3265,
0.3235

Harmonies

Analogous

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



17.4037, 0.4961, 0.2336



17.4037, 0.6040, 0.3101



17.4037, 0.5874, 0.3952

Triad

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



17.4037, 0.6040, 0.3101



17.4037, 0.2365, 0.6191



17.4037, 0.1167, 0.1258

Complementary

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



17.4037, 0.6040, 0.3101



61.0106, 0.2455, 0.4036

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.



17.4037, 0.0865, 0.1539



17.4037, 0.6040, 0.3101



17.4037, 0.1351, 0.4275

Square

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



17.4037, 0.6040, 0.3101



17.4037, 0.3635, 0.6151



17.4037, 0.0891, 0.2411



17.4037, 0.1897, 0.1324

Rectangle

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



17.4037, 0.6040, 0.3101



17.4037, 0.5320, 0.4680



17.4037, 0.0891, 0.2411



17.4037, 0.1027, 0.1307

Sweetspot

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



17.4048, 0.6040, 0.3101



57.2688, 0.3652, 0.3113



15.2783, 0.2617, 0.1215



11.2955, 0.3755, 0.3087



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.



17.4048, 0.6040, 0.3101



21.5564, 0.6052, 0.3107



20.5915, 0.6063, 0.3567



14.4206, 0.3257, 0.3238



9.6772, 0.6003, 0.3081



0.7290, 0.5596, 0.2856

Inverse Universe

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



17.4048, 0.6040, 0.3101



21.5564, 0.6052, 0.3107



34.6319, 0.1996, 0.2387



14.4206, 0.3257, 0.3238



9.6772, 0.6003, 0.3081



0.7290, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 17.4037, 0.6040, 0.3101 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 17.4037, 0.6040, 0.3101 looks on a 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 17.4037, 0.6040, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 17.4037, 0.6040, 0.3101.



This preview shows how white text looks on a background with the Yxy color 17.4037, 0.6040, 0.3101.

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

17.4037, 0.6040, 0.3101

Protanopia

18.0334, 0.3725, 0.4036

Deuteranopia

17.9250, 0.4502, 0.4444



Tritanopia

17.5847, 0.6305, 0.3330

Trichromacy



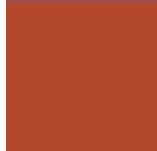
Original Color

17.4037, 0.6040, 0.3101



Protanomaly

13.4612, 0.4802, 0.3383



Deuteranomaly

14.1386, 0.5395, 0.3627



Tritanomaly

17.3732, 0.6259, 0.3267

Monochromacy



Original Color

17.4037, 0.6040, 0.3101



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

7.4247, 0.4608, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4037, 0.6040, 0.3101 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(232, 0, 52)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 52)  
}
```

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(232, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 52) }
```

Border

The CSS property to change the border of an element to Yxy 17.4037, 0.6040, 0.3101 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(232, 0, 52) }
```

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

```
.border{ border-color:rgb(232, 0, 52) }
```

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

Here you see how a box with a 4 pixel rgb(232, 0, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4037, 0.6040, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 52) }
```

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

```
.background{ background-color: rgb(232, 0,  
52) }
```

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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