

Converting Colors

$Yxy(17.3401, 0.6139, 0.3156)$

Have a look what the booklet for
Yxy(17.3401, 0.6139, 0.3156)
contains.

Yxy(17.3302, 0.6141, 0.3157)	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(17.3302, 0.6141, 0.3157)

Conversions

Conversions Part 1

Format	Color
Hex	E8002B
RGB	232, 0, 43
RGB Percent	91%, 0%, 17%
CMY	0.0903, 0.9993, 0.8314
CMYK	0.00, 1.00, 0.81, 0.09
HSL	349°, 100%, 46%
HSV	349°, 100%, 91%
XYZ	33.7107, 17.3302, 3.8536
YIQ	74.2700, 124.4690, 62.5570

Conversions

Conversions Part 2

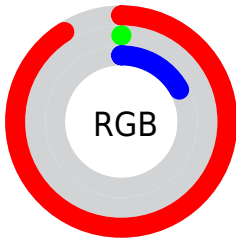
Format	Color
RYB	232, 0, 43
Decimal	15204395
CIELab	48.67, 75.16, 45.84
CIELCh	49, 88.038, 31.379
Yxy	17.3302, 0.6141, 0.3157
Android (android.graphics.Color)	4293394475 (0xFFE8002B)
YUV	74.2700, -15.4161, 138.3292
Hunter-Lab	41.6296, 71.6938, 23.6523

Details

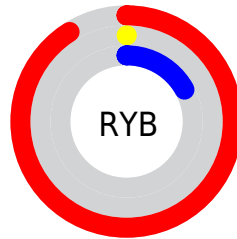
The Yxy color **17.3302, 0.6141, 0.3157** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **61.3861, 0.2416, 0.3897**, and the grayscale version is **6.9290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6525, 0.5242, 0.3314**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.3262, 0.6143, 0.3158**, and if you desaturate by 10%, it is **18.1278, 0.5859, 0.3082**.

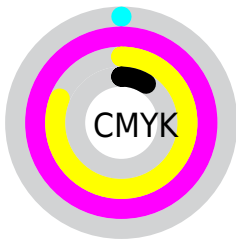
Distribution



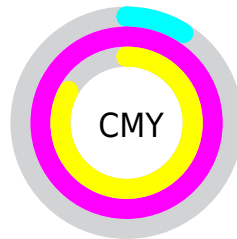
- Red (91%)
- Green (0%)
- Blue (17%)



- Red (91%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (9%)




- Cyan (9%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3302, 0.6141, 0.3157 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 17.3302, 0.6141, 0.3157 by changing the saturation by 10% instead.


 17.3302, 0.6141,
0.3157


 17.3302, 0.6141,
0.3157


237.0681, 0.4473,
0.3415


 10.4702, 0.6552,
0.3004


 38.8926, 0.5522,
0.3313


 5.7118, 0.7099,
0.2779

 54.3639, 0.5291,
0.3352


 2.6706, 0.7634,
0.2366

 73.4743, 0.5096,
0.3377

 0.9623, 0.8253,
0.1747

 96.6083, 0.4932,
0.3393

 0.0000, 1.0000,
0.0000

 124.1503, 0.4791,
0.3404

 0.0000, 0.0000,
0.0000

 156.4846, 0.4670,

0.3410

193.9958, 0.4565,
0.3414

■ 17.3302, 0.6141,
0.3157

■ 17.3302, 0.6141,
0.3157

■ 17.3262, 0.6143,
0.3158

■ 18.1278, 0.5859,
0.3082

■ 19.7440, 0.5486,
0.3030

■ 22.4207, 0.5066,
0.3010

■ 26.3012, 0.4650,
0.3020

■ 31.5066, 0.4271,
0.3052

■ 38.1432, 0.3945,
0.3096

■ 46.3062, 0.3673,
0.3145

■ 56.0828, 0.3451,
0.3196

■ 67.5537, 0.3271,
0.3245

Harmonies

Analogous

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



17.3302, 0.5163, 0.2385



17.3302, 0.6141, 0.3157



17.3302, 0.5855, 0.4037

Triad

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



17.3302, 0.6141, 0.3157



17.3302, 0.2214, 0.6170



17.3302, 0.1184, 0.1218

Complementary

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



17.3302, 0.6141, 0.3157



61.3861, 0.2416, 0.3897

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.



17.3302, 0.0846, 0.1457



17.3302, 0.6141, 0.3157



17.3302, 0.1240, 0.4071

Square

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



17.3302, 0.6141, 0.3157



17.3302, 0.3488, 0.6290



17.3302, 0.0836, 0.2257



17.3302, 0.1972, 0.1314

Rectangle

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



17.3302, 0.6141, 0.3157



17.3302, 0.5220, 0.4780



17.3302, 0.0836, 0.2257



17.3302, 0.1031, 0.1255

Sweetspot

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



17.3313, 0.6141, 0.3157



57.1339, 0.3678, 0.3144



16.2212, 0.2701, 0.1262



11.2645, 0.3788, 0.3123



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.



17.3313, 0.6141, 0.3157



21.4660, 0.6153, 0.3163



21.4991, 0.5984, 0.3630



14.4113, 0.3263, 0.3247



9.6339, 0.6109, 0.3139



0.7245, 0.5720, 0.2925

Inverse Universe

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



17.3313, 0.6141, 0.3157



21.4660, 0.6153, 0.3163



31.8235, 0.1963, 0.2266



14.4113, 0.3263, 0.3247



9.6339, 0.6109, 0.3139



0.7245, 0.5720, 0.2925

Previews

White Background



This preview shows how the Yxy color 17.3302, 0.6141, 0.3157 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 17.3302, 0.6141, 0.3157 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 17.3302, 0.6141, 0.3157

Background



This preview shows how black text looks on a background with the Yxy color 17.3302, 0.6141, 0.3157.



This preview shows how white text looks on a background with the Yxy color 17.3302, 0.6141, 0.3157.

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

17.3302, 0.6141, 0.3157

Protanopia

17.7950, 0.3902, 0.4227

Deuteranopia

17.7266, 0.4622, 0.4538



Tritanopia

17.5253, 0.6343, 0.3346

Trichromacy



Original Color

17.3302, 0.6141, 0.3157



Protanomaly

13.4446, 0.4995, 0.3534



Deuteranomaly

14.1839, 0.5530, 0.3721



Tritanomaly

17.3142, 0.6312, 0.3292

Monochromacy



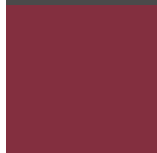
Original Color

17.3302, 0.6141, 0.3157



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.2172, 0.4699, 0.3008

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3302, 0.6141, 0.3157 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, 43)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 43)  
}
```

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, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 43) }
```

Border

The CSS property to change the border of an element to Yxy 17.3302, 0.6141, 0.3157 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, 43) }
```

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

```
.border{ border-color:rgb(232, 0, 43) }
```

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, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 43)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3302, 0.6141, 0.3157 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, 43) }
```

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

```
.background{ background-color: rgb(232, 0,  
43) }
```

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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