

Converting Colors

$Yxy(17.3445, 0.6133, 0.3152)$

Have a look what the booklet for
Yxy(17.3445, 0.6133, 0.3152)
contains.

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Color

Yxy(17.3377, 0.6131, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	E8002C
RGB	232, 0, 44
RGB Percent	91%, 0%, 17%
CMY	0.0902, 0.9999, 0.8275
CMYK	0.00, 1.00, 0.81, 0.09
HSL	349°, 100%, 45%
HSV	349°, 100%, 91%
XYZ	33.7345, 17.3377, 3.9506
YIQ	74.3840, 124.1480, 62.8680

Conversions

Conversions Part 2

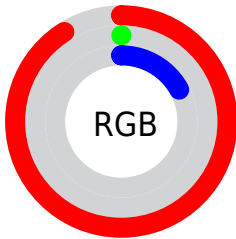
Format	Color
RYB	232, 0, 44
Decimal	15204396
CIELab	48.68, 75.20, 45.31
CIELCh	49, 87.800, 31.069
Yxy	17.3377, 0.6131, 0.3151
Android (android.graphics.Color)	4293394476 (0xFFE8002C)
YUV	74.3840, -14.9793, 138.2292
Hunter-Lab	41.6386, 71.7487, 23.5216

Details

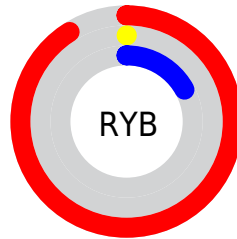
The Yxy color **17.3377, 0.6131, 0.3151** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **61.3481, 0.2421, 0.3914**, and the grayscale version is **6.9327, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6696, 0.5230, 0.3305**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.3382, 0.6131, 0.3151**, and if you desaturate by 10%, it is **18.1348, 0.5847, 0.3075**.

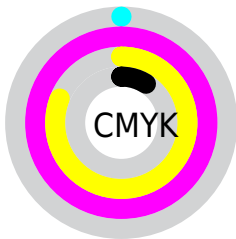
Distribution



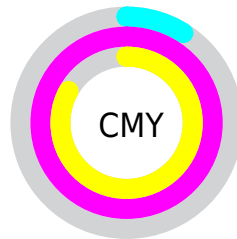
- Red (91%)
- Green (0%)
- Blue (17%)



- 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 17.3377, 0.6131, 0.3151 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 17.3377, 0.6131, 0.3151 by changing the saturation by 10% instead.


 17.3377, 0.6131,
0.3151


 17.3377, 0.6131,
0.3151


237.1110, 0.4466,
0.3410


 10.4756, 0.6543,
0.2999


 38.9055, 0.5513,
0.3306


 5.7154, 0.7086,
0.2773

 54.3799, 0.5281,
0.3345


 2.6728, 0.7635,
0.2365

 73.4939, 0.5087,
0.3371

 0.9634, 0.8254,
0.1746

 96.6319, 0.4924,
0.3387

 0.0000, 1.0000,
0.0000

 124.1781, 0.4784,
0.3398

 0.0000, 0.0000,
0.0000

 156.5172, 0.4663,

0.3404

194.0333, 0.4558,
0.3408

■ 17.3377, 0.6131,
0.3151

■ 17.3377, 0.6131,
0.3151

■ 17.3382, 0.6131,
0.3151

■ 18.1348, 0.5847,
0.3075

■ 19.7468, 0.5475,
0.3021

■ 22.4177, 0.5057,
0.3002

■ 26.2910, 0.4643,
0.3013

■ 31.4879, 0.4266,
0.3045

■ 38.1145, 0.3942,
0.3090

■ 46.2663, 0.3671,
0.3141

■ 56.0302, 0.3450,
0.3193

■ 67.4870, 0.3271,
0.3243

Harmonies

Analogous

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



17.3377, 0.5142, 0.2380



17.3377, 0.6131, 0.3151



17.3377, 0.5857, 0.4027

Triad

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



17.3377, 0.6131, 0.3151



17.3377, 0.2231, 0.6174



17.3377, 0.1182, 0.1222

Complementary

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



17.3377, 0.6131, 0.3151



61.3481, 0.2421, 0.3914

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.



17.3377, 0.0848, 0.1465



17.3377, 0.6131, 0.3151



17.3377, 0.1251, 0.4093

Square

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



17.3377, 0.6131, 0.3151



17.3377, 0.3504, 0.6275



17.3377, 0.0842, 0.2274



17.3377, 0.1964, 0.1315

Rectangle

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



17.3377, 0.6131, 0.3151



17.3377, 0.5231, 0.4769



17.3377, 0.0842, 0.2274



17.3377, 0.1031, 0.1260

Sweetspot

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



17.3388, 0.6131, 0.3151



57.1504, 0.3675, 0.3140



16.2170, 0.2700, 0.1261



11.2683, 0.3784, 0.3118



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.



17.3388, 0.6131, 0.3151



21.4762, 0.6141, 0.3157



21.4890, 0.5986, 0.3629



14.4124, 0.3263, 0.3246



9.6388, 0.6097, 0.3132



0.7250, 0.5705, 0.2916

Inverse Universe

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



17.3388, 0.6131, 0.3151



21.4762, 0.6141, 0.3157



31.8118, 0.1963, 0.2266



14.4124, 0.3263, 0.3246



9.6388, 0.6097, 0.3132



0.7250, 0.5705, 0.2916

Previews

White Background



This preview shows how the Yxy color 17.3377, 0.6131, 0.3151 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 17.3377, 0.6131, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 17.3377, 0.6131, 0.3151.



This preview shows how white text looks on a background with the Yxy color 17.3377, 0.6131, 0.3151.

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

17.3377, 0.6131, 0.3151

Protanopia

18.0537, 0.3871, 0.4208

Deuteranopia

17.7350, 0.4611, 0.4524



Tritanopia

17.4892, 0.6347, 0.3343

Trichromacy



Original Color

17.3377, 0.6131, 0.3151



Protanomaly

13.4654, 0.4964, 0.3507



Deuteranomaly

14.1945, 0.5511, 0.3707



Tritanomaly

17.3142, 0.6312, 0.3292

Monochromacy



Original Color

17.3377, 0.6131, 0.3151



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 17.3377, 0.6131, 0.3151 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, 44)` looks like.

```
.text, #text, p{  
  color:rgb(232, 0, 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(232, 0, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 44) }
```

Border

The CSS property to change the border of an element to Yxy 17.3377, 0.6131, 0.3151 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, 44) }
```

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

```
.border{ border-color:rgb(232, 0, 44) }
```

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, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 44);  
box-shadow:4px 4px 4px 4px rgb(232, 0, 44)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.3377, 0.6131, 0.3151 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, 44) }
```

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

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