

Converting Colors

$Y_{xy}(17.5941, 0.6258, 0.3235)$

Have a look what the booklet for
Yxy(17.5941, 0.6258, 0.3235)
contains.

Yxy(17.5209, 0.6256, 0.3235)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.5209, 0.6256, 0.3235)

Conversions

Conversions Part 1

Format	Color
Hex	E9051D
RGB	233, 5, 29
RGB Percent	91%, 2%, 11%
CMY	0.0862, 0.9805, 0.8864
CMYK	0.00, 0.98, 0.88, 0.09
HSL	354°, 96%, 47%
HSV	354°, 98%, 91%
XYZ	33.8828, 17.5209, 2.7568
YIQ	75.9080, 128.1840, 55.8000

Conversions

Conversions Part 2

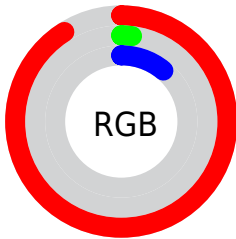
Format	Color
R_{YB}	233, 5, 29
Decimal	15271197
CIE Lab	48.91, 74.74, 53.19
CIE LCh	49, 91.736, 35.434
Yxy	17.5209, 0.6256, 0.3235
Android (android.graphics.Color)	4293461277 (0xFFE9051D)
YUV	75.9080, -23.1256, 137.7697
Hunter-Lab	41.8580, 71.2389, 25.3957

Details

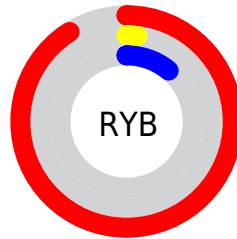
The Yxy color **17.5209, 0.6256, 0.3235** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **62.9199, 0.2340, 0.3617**, and the grayscale version is **7.2325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6105, 0.5391, 0.3436**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.3935, 0.6297, 0.3243**, and if you desaturate by 10%, it is **18.3980, 0.5994, 0.3187**.

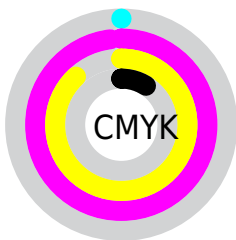
Distribution



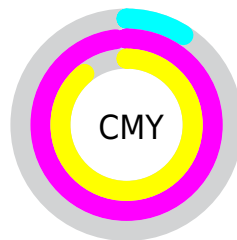
- Red (91%)
- Green (2%)
- Blue (11%)



- Red (91%)
- Yellow (2%)
- Blue (11%)



- Cyan (0%)
- Magenta (98%)
- Yellow (88%)
- Black (9%)





- Cyan (9%)
- Magenta (98%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5209, 0.6256, 0.3235 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 17.5209, 0.6256, 0.3235 by changing the saturation by 10% instead.


 17.5209, 0.6256,
0.3235

 17.5209, 0.6256,
0.3235


238.1565, 0.4559,
0.3489


 10.6066, 0.6648,
0.3070


 39.2192, 0.5644,
0.3400


 5.8029, 0.7168,
0.2832

 54.7720, 0.5409,
0.3440

 2.7256, 0.7612,
0.2388

 73.9731, 0.5209,
0.3464

 0.9902, 0.8226,
0.1774

 97.2069, 0.5039,
0.3478


 0.0000, 1.0000,
0.0000


 124.8577, 0.4893,
0.3486


 0.0000, 0.0000,
0.0000


 157.3100, 0.4767,

0.3489


 194.9481, 0.4656,
0.3490


 17.5209, 0.6256,
0.3235


 17.5209, 0.6256,
0.3235

 17.3935, 0.6297,
0.3243

 18.3980, 0.5994,
0.3187

 20.1948, 0.5612,
0.3153

 23.1058, 0.5166,
0.3139

 27.2730, 0.4719,
0.3144

 32.8174, 0.4311,
0.3161

■ 39.8457, 0.3961,
0.3186

■ 48.4541, 0.3672,
0.3214

■ 58.7306, 0.3437,
0.3242

■ 70.7569, 0.3249,
0.3270

Harmonies

Analogous

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



17.5209, 0.5446, 0.2456



17.5209, 0.6256, 0.3235



17.5209, 0.5815, 0.4170

Triad

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



17.5209, 0.6256, 0.3235



17.5209, 0.2003, 0.6096



17.5209, 0.1217, 0.1168

Complementary

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



17.5209, 0.6256, 0.3235



62.9199, 0.2340, 0.3617

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.



17.5209, 0.0827, 0.1351



17.5209, 0.6256, 0.3235



17.5209, 0.1095, 0.3769

Square

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



17.5209, 0.6256, 0.3235



17.5209, 0.3272, 0.6480



17.5209, 0.0768, 0.2053



17.5209, 0.2093, 0.1307

Rectangle

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



17.5209, 0.6256, 0.3235



17.5209, 0.5066, 0.4934



17.5209, 0.0768, 0.2053



17.5209, 0.1044, 0.1189

Sweetspot

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



17.5220, 0.6256, 0.3235



57.9949, 0.3706, 0.3210



19.1719, 0.2919, 0.1388



11.4154, 0.3826, 0.3198



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.



17.5220, 0.6256, 0.3235



21.3384, 0.6303, 0.3246



25.0584, 0.5720, 0.3822



15.0798, 0.3276, 0.3266



9.8770, 0.6275, 0.3230



0.7842, 0.6004, 0.3081

Inverse Universe

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



17.5220, 0.6256, 0.3235



21.3384, 0.6303, 0.3246



26.3499, 0.1890, 0.1993



15.0798, 0.3276, 0.3266



9.8770, 0.6275, 0.3230



0.7842, 0.6004, 0.3081

Previews

White Background



This preview shows how the Yxy color 17.5209, 0.6256, 0.3235 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 17.5209, 0.6256, 0.3235 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 17.5209, 0.6256, 0.3235

Background



This preview shows how black text looks on a background with the Yxy color 17.5209, 0.6256, 0.3235.



This preview shows how white text looks on a background with the Yxy color 17.5209, 0.6256, 0.3235.

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

17.5209, 0.6256, 0.3235

Protanopia

18.0125, 0.4098, 0.4497

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.6921, 0.6343, 0.3345

Trichromacy



Original Color

17.5209, 0.6256, 0.3235



Protanomaly

13.7998, 0.5214, 0.3744



Deuteranomaly

14.4925, 0.5633, 0.3839



Tritanomaly

17.5216, 0.6327, 0.3308

Monochromacy



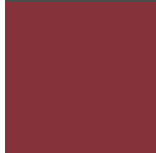
Original Color

17.5209, 0.6256, 0.3235



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.5835, 0.4799, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5209, 0.6256, 0.3235 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(233, 5, 29)` looks like.

```
.text, #text, p{  
    color:rgb(233, 5, 29)  
}
```

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(233, 5, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 5, 29) }
```

Border

The CSS property to change the border of an element to Yxy 17.5209, 0.6256, 0.3235 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(233, 5, 29) }
```

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

```
.border{ border-color:rgb(233, 5, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 5, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 5, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 5, 29);  
box-shadow:4px 4px 4px 4px rgb(233, 5, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.5209, 0.6256, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 5, 29) }
```

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

```
.background{ background-color: rgb(233, 5,  
29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor