

Converting Colors

$Y_{xy}(17.5080, 0.6204, 0.3206)$

Have a look what the booklet for
Yxy(17.5080, 0.6204, 0.3206)
contains.

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Color

Yxy(17.5535, 0.6208, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	E90523
RGB	233, 5, 35
RGB Percent	91%, 2%, 14%
CMY	0.0863, 0.9797, 0.8627
CMYK	0.00, 0.98, 0.85, 0.09
HSL	352°, 96%, 47%
HSV	352°, 98%, 91%
XYZ	33.9583, 17.5535, 3.1891
YIQ	76.5920, 126.2580, 57.6660

Conversions

Conversions Part 2

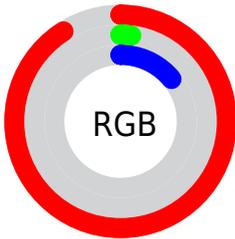
Format	Color
R_{YB}	233, 5, 35
Decimal	15271203
CIE _{Lab}	48.95, 74.83, 50.33
CIE _{LCh}	49, 90.186, 33.925
Yxy	17.5535, 0.6208, 0.3209
Android (android.graphics.Color)	4293461283 (0xFFE90523)
YUV	76.5920, -20.5049, 137.1698
Hunter-Lab	41.8969, 71.3583, 24.8149

Details

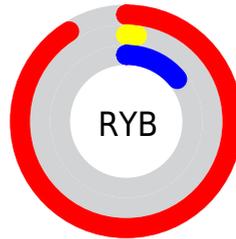
The Yxy color **17.5535, 0.6208, 0.3209** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **62.6210, 0.2364, 0.3701**, and the grayscale version is **7.3819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6979, 0.5327, 0.3389**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.4173, 0.6255, 0.3220**, and if you desaturate by 10%, it is **18.4523, 0.5930, 0.3151**.

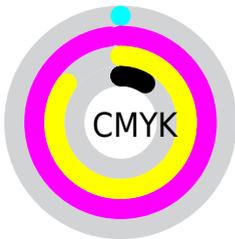
Distribution



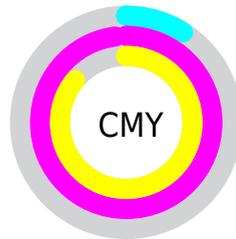
- Red (91%)
- Green (2%)
- Blue (14%)



- Red (91%)
- Yellow (2%)
- Blue (14%)



- Cyan (0%)
- Magenta (98%)
- Yellow (85%)
- Black (9%)



- Cyan (9%)
- Magenta (98%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5535, 0.6208, 0.3209 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 17.5535, 0.6208, 0.3209 by changing the saturation by 10% instead.

 17.5535, 0.6208,
0.3209

 17.5535, 0.6208,
0.3209

238.3422, 0.4524,
0.3461

 10.6299, 0.6607,
0.3051

 39.2750, 0.5594,
0.3369

 5.8186, 0.7169,
0.2831

 54.8417, 0.5360,
0.3408

 2.7351, 0.7612,
0.2388

 74.0583, 0.5163,
0.3432

 0.9950, 0.8226,
0.1774

 97.3090, 0.4995,
0.3446

 0.0000, 1.0000,
0.0000

 124.9784, 0.4852,
0.3455

 0.0000, 0.0000,
0.0000

 157.4508, 0.4728,

0.3460

 195.1106, 0.4619,
0.3461

 17.5535, 0.6208,
0.3209

 17.5535, 0.6208,
0.3209

 17.4173, 0.6255,
0.3220

 18.4523, 0.5930,
0.3151

 20.2713, 0.5543,
0.3112

 23.2023, 0.5103,
0.3098

 27.3860, 0.4667,
0.3106

 32.9424, 0.4272,
0.3129

■ 39.9776, 0.3934,
0.3160

■ 48.5869, 0.3654,
0.3195

■ 58.8580, 0.3427,
0.3231

■ 70.8717, 0.3244,
0.3265

Harmonies

Analogous

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



17.5535, 0.5334, 0.2432



17.5535, 0.6208, 0.3209



17.5535, 0.5825, 0.4119

Triad

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



17.5535, 0.6208, 0.3209



17.5535, 0.2087, 0.6118



17.5535, 0.1208, 0.1190

Complementary

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



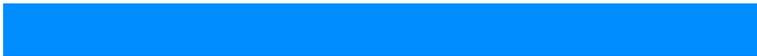
17.5535, 0.6208, 0.3209



62.6210, 0.2364, 0.3701

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.



17.5535, 0.0838, 0.1394



17.5535, 0.6208, 0.3209



17.5535, 0.1153, 0.3882

Square

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



17.5535, 0.6208, 0.3209



17.5535, 0.3356, 0.6400



17.5535, 0.0797, 0.2132



17.5535, 0.2049, 0.1313

Rectangle

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



17.5535, 0.6208, 0.3209



17.5535, 0.5124, 0.4876



17.5535, 0.0797, 0.2132



17.5535, 0.1043, 0.1217

Sweetspot

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



17.5546, 0.6208, 0.3209



58.0780, 0.3689, 0.3190



18.6363, 0.2877, 0.1365



11.4345, 0.3805, 0.3175



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.



17.5546, 0.6208, 0.3209



21.3720, 0.6263, 0.3224



24.4278, 0.5763, 0.3787



15.0862, 0.3272, 0.3259



9.8946, 0.6229, 0.3205



0.7872, 0.5917, 0.3033

Inverse Universe

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



17.5546, 0.6208, 0.3209



21.3720, 0.6263, 0.3224



27.5543, 0.1907, 0.2053



15.0862, 0.3272, 0.3259



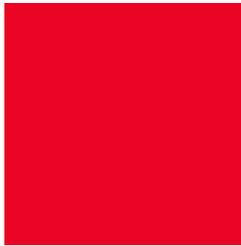
9.8946, 0.6229, 0.3205



0.7872, 0.5917, 0.3033

Previews

White Background



This preview shows how the Yxy color 17.5535, 0.6208, 0.3209 looks on a white background.

Color Contrast Check

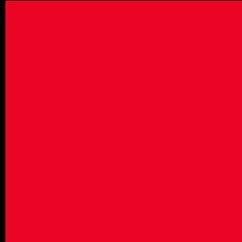
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.5535, 0.6208, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

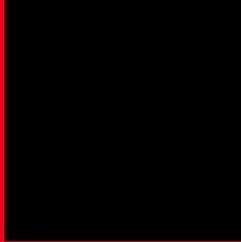
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

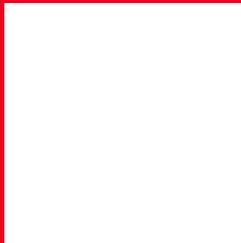
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5535, 0.6208, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 17.5535, 0.6208, 0.3209.



This preview shows how white text looks on a background with the Yxy color 17.5535, 0.6208, 0.3209.

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

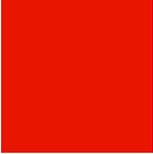
17.5535, 0.6208, 0.3209

Protanopia

17.9981, 0.4015, 0.4400

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.6921, 0.6343, 0.3345

Trichromacy



Original Color

17.5535, 0.6208, 0.3209



Protanomaly

13.7450, 0.5113, 0.3671



Deuteranomaly

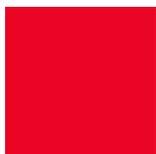
14.4974, 0.5624, 0.3832



Tritanomaly

17.5265, 0.6320, 0.3304

Monochromacy



Original Color

17.5535, 0.6208, 0.3209



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.7838, 0.4735, 0.3101

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5535, 0.6208, 0.3209 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, 35)` looks like.

```
.text, #text, p{  
  color:rgb(233, 5, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 5, 35) }
```

Border

The CSS property to change the border of an element to Yxy 17.5535, 0.6208, 0.3209 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, 35) }
```

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

```
.border{ border-color:rgb(233, 5, 35) }
```

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, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 5, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 5, 35);  
box-shadow:4px 4px 4px 4px rgb(233, 5, 35)  
}
```

Background

The CSS property to change the background color of an element to Yxy 17.5535, 0.6208, 0.3209 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, 35) }
```

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

```
.background{ background-color: rgb(233, 5,  
35) }
```

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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