

Converting Colors

$Y_{xy}(17.7213, 0.6212, 0.3288)$

Have a look what the booklet for
Yxy(17.7213, 0.6212, 0.3288)
contains.

Yxy(17.7213, 0.6212, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.7213, 0.6212, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	E7181B
RGB	231, 24, 27
RGB Percent	91%, 9%, 11%
CMY	0.0941, 0.9058, 0.8940
CMYK	0.00, 0.90, 0.88, 0.09
HSL	359°, 81%, 50%
HSV	359°, 90%, 91%
XYZ	33.4808, 17.7213, 2.6948
YIQ	86.2350, 122.4090, 44.8170

Conversions

Conversions Part 2

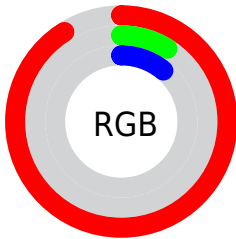
Format	Color
R_YB	231, 24, 27
Decimal	15144987
CIE Lab	49.16, 72.27, 54.05
CIE LCh	49, 90.251, 36.793
Yxy	17.7213, 0.6212, 0.3288
Android (android.graphics.Color)	4293335067 (0xFFE7181B)
YUV	86.2350, -29.2029, 126.9589
Hunter-Lab	42.0967, 68.2972, 25.6722

Details

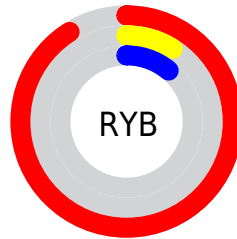
The Yxy color **17.7213, 0.6212, 0.3288** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **62.9483, 0.2271, 0.3328**, and the grayscale version is **9.4045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5034, 0.5360, 0.3488**, and **7.9993, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.0186, 0.6384, 0.3293**, and if you desaturate by 10%, it is **19.2598, 0.5886, 0.3281**.

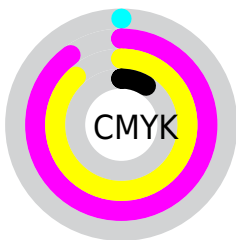
Distribution



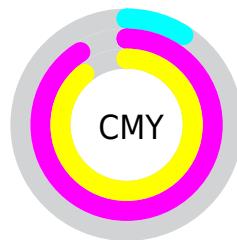
- Red (91%)
- Green (9%)
- Blue (11%)



- Red (91%)
- Yellow (9%)
- Blue (11%)



- Cyan (0%)
- Magenta (90%)
- Yellow (88%)
- Black (9%)




- Cyan (9%)
- Magenta (91%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.7213, 0.6212, 0.3288 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 17.7213, 0.6212, 0.3288 by changing the saturation by 10% instead.


 17.7213, 0.6212,
0.3288

 17.7213, 0.6212,
0.3288


239.2954, 0.4543,
0.3513


 10.7501, 0.6596,
0.3130


 39.5619, 0.5611,
0.3443


 5.8990, 0.7102,
0.2898

 55.2000, 0.5380,
0.3478


 2.7838, 0.7538,
0.2462

 74.4959, 0.5184,
0.3499

 1.0199, 0.8148,
0.1852

 97.8339, 0.5016,
0.3510

 0.0000, 1.0000,
0.0000


 125.5985, 0.4873,
0.3516


 0.0000, 0.0000,
0.0000


 158.1740, 0.4748,


0.3517

 195.9448, 0.4639,
0.3516


 17.7213, 0.6212,
0.3288


 17.7213, 0.6212,
0.3288


 17.0186, 0.6384,
0.3293


 19.2598, 0.5886,
0.3281

 16.9969, 0.6389,
0.3293

 21.8713, 0.5445,
0.3277

 25.7049, 0.4966,
0.3275


 30.8852, 0.4510,
0.3275

 37.5216, 0.4111,
0.3277

 45.7124, 0.3778,
0.3280

 55.5470, 0.3509,
0.3284

 67.1085, 0.3293,
0.3287

 80.4739, 0.3121,
0.3290

Harmonies

Analogous

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



17.7213, 0.5470, 0.2507



17.7213, 0.6212, 0.3288



17.7213, 0.5744, 0.4226

Triad

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



17.7213, 0.6212, 0.3288



17.7213, 0.1979, 0.5952



17.7213, 0.1267, 0.1192

Complementary

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



17.7213, 0.6212, 0.3288



62.9483, 0.2271, 0.3328

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.



17.7213, 0.0861, 0.1360



17.7213, 0.6212, 0.3288



17.7213, 0.1099, 0.3663

Square

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



17.7213, 0.6212, 0.3288



17.7213, 0.3230, 0.6453



17.7213, 0.0790, 0.2029



17.7213, 0.2165, 0.1343

Rectangle

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



17.7213, 0.6212, 0.3288



17.7213, 0.5007, 0.4993



17.7213, 0.0790, 0.2029



17.7213, 0.1088, 0.1209

Sweetspot

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



17.7224, 0.6212, 0.3288



60.0356, 0.3706, 0.3281



22.8444, 0.3170, 0.1554



12.0114, 0.3808, 0.3280



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.



17.7224, 0.6212, 0.3288



21.2682, 0.6390, 0.3294



31.4849, 0.5263, 0.4108



14.3714, 0.3290, 0.3287



9.5299, 0.6385, 0.3291



0.7054, 0.6339, 0.3266

Inverse Universe

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



17.7224, 0.6212, 0.3288



21.2682, 0.6390, 0.3294



22.1849, 0.1851, 0.1792



14.3714, 0.3290, 0.3287



9.5299, 0.6385, 0.3291



0.7054, 0.6339, 0.3266

Previews

White Background



This preview shows how the Yxy color 17.7213, 0.6212, 0.3288 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 17.7213, 0.6212, 0.3288 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 17.7213, 0.6212, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 17.7213, 0.6212, 0.3288.



This preview shows how white text looks on a background with the Yxy color 17.7213, 0.6212, 0.3288.

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

17.7213, 0.6212, 0.3288

Protanopia

17.9874, 0.4125, 0.4538

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.7279, 0.6260, 0.3322

Trichromacy



Original Color

17.7213, 0.6212, 0.3288

Protanomaly

14.7093, 0.5126, 0.3869

Deuteranomaly

15.3429, 0.5520, 0.3937

Tritanomaly

17.7383, 0.6245, 0.3313

Monochromacy



Original Color

17.7213, 0.6212, 0.3288

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.4256, 0.4626, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7213, 0.6212, 0.3288 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(231, 24, 27)` looks like.

```
.text, #text, p{  
    color:rgb(231, 24, 27)  
}
```

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(231, 24, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 24, 27) }
```

Border

The CSS property to change the border of an element to Yxy 17.7213, 0.6212, 0.3288 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(231, 24, 27) }
```

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

```
.border{ border-color:rgb(231, 24, 27) }
```

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

Here you see how a box with a 4 pixel rgb(231, 24, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 24, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 24, 27);  
box-shadow:4px 4px 4px 4px rgb(231, 24,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 17.7213, 0.6212, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 24, 27) }
```

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

```
.background{ background-color: rgb(231, 24,  
27) }
```

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