

Converting Colors

$Y_{xy}(17.7879, 0.6219, 0.3289)$

Have a look what the booklet for
Yxy(17.7879, 0.6219, 0.3289)
contains.

Yxy(17.8837, 0.6220, 0.3292)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.8837, 0.6220, 0.3292)

Conversions

Conversions Part 1

Format	Color
Hex	E8181A
RGB	232, 24, 26
RGB Percent	91%, 9%, 10%
CMY	0.0902, 0.9056, 0.8978
CMYK	0.00, 0.90, 0.89, 0.09
HSL	359°, 82%, 50%
HSV	359°, 90%, 91%
XYZ	33.7900, 17.8837, 2.6510
YIQ	86.4200, 123.3260, 44.7180

Conversions

Conversions Part 2

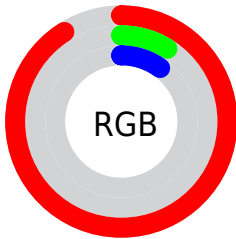
Format	Color
R_{YB}	232, 24, 26
Decimal	15210522
CIE Lab	49.35, 72.50, 54.71
CIE LCh	49, 90.830, 37.040
Yxy	17.8837, 0.6220, 0.3292
Android (android.graphics.Color)	4293400602 (0xFFE8181A)
YUV	86.4200, -29.7871, 127.6737
Hunter-Lab	42.2891, 68.6196, 25.8856

Details

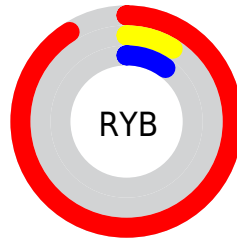
The Yxy color **17.8837, 0.6220, 0.3292** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **63.6160, 0.2267, 0.3314**, and the grayscale version is **9.4541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4898, 0.5370, 0.3495**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1796, 0.6388, 0.3296**, and if you desaturate by 10%, it is **19.4303, 0.5897, 0.3287**.

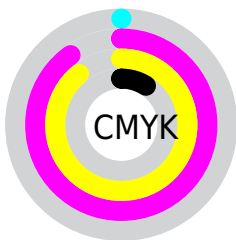
Distribution



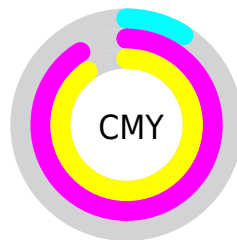
- Red (91%)
- Green (9%)
- Blue (10%)



- Red (91%)
- Yellow (9%)
- Blue (10%)



- Cyan (0%)
- Magenta (90%)
- Yellow (89%)
- Black (9%)



- Cyan (9%)
- Magenta (91%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.8837, 0.6220, 0.3292 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 17.8837, 0.6220, 0.3292 by changing the saturation by 10% instead.


 17.8837, 0.6220,
0.3292


 17.8837, 0.6220,
0.3292


240.2147, 0.4552,
0.3518


 10.8665, 0.6602,
0.3133


 39.8391, 0.5621,
0.3448


 5.9772, 0.7100,
0.2900

 55.5460, 0.5390,
0.3483


 2.8312, 0.7534,
0.2466

 74.9184, 0.5194,
0.3504

 1.0442, 0.8139,
0.1861

 98.3405, 0.5026,
0.3515

 0.0000, 1.0000,
0.0000


 126.1968, 0.4882,
0.3521

 0.0000, 0.0000,
0.0000


 158.8717, 0.4757,


0.3522


 196.7495, 0.4648,
0.3521


 17.8837, 0.6220,
0.3292

 17.8837, 0.6220,
0.3292


 17.1796, 0.6388,
0.3296


 19.4303, 0.5897,
0.3287

 17.1589, 0.6393,
0.3296

 22.0605, 0.5457,
0.3284

 25.9254, 0.4977,
0.3282

 31.1513, 0.4518,
0.3282

 37.8489, 0.4117,
0.3283

■ 46.1177, 0.3783,
0.3284

■ 56.0483, 0.3511,
0.3286

■ 67.7246, 0.3294,
0.3288

■ 81.2247, 0.3121,
0.3290

Harmonies

Analogous

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



17.8837, 0.5488, 0.2511



17.8837, 0.6220, 0.3292



17.8837, 0.5742, 0.4234

Triad

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



17.8837, 0.6220, 0.3292



17.8837, 0.1965, 0.5948



17.8837, 0.1268, 0.1188

Complementary

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



17.8837, 0.6220, 0.3292



63.6160, 0.2267, 0.3314

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.



17.8837, 0.0859, 0.1353



17.8837, 0.6220, 0.3292



17.8837, 0.1089, 0.3645

Square

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



17.8837, 0.6220, 0.3292



17.8837, 0.3215, 0.6466



17.8837, 0.0785, 0.2017



17.8837, 0.2172, 0.1342

Rectangle

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



17.8837, 0.6220, 0.3292



17.8837, 0.4997, 0.5003



17.8837, 0.0785, 0.2017



17.8837, 0.1088, 0.1204

Sweetspot

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



17.8848, 0.6220, 0.3292



60.0206, 0.3710, 0.3285



23.0614, 0.3170, 0.1554



12.0080, 0.3811, 0.3284



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.



17.8848, 0.6220, 0.3292



21.2653, 0.6394, 0.3296



31.7769, 0.5264, 0.4108



14.3702, 0.3291, 0.3288



9.5280, 0.6390, 0.3294



0.7049, 0.6360, 0.3277

Inverse Universe

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



17.8848, 0.6220, 0.3292



21.2653, 0.6394, 0.3296



22.3859, 0.1851, 0.1792



14.3702, 0.3291, 0.3288



9.5280, 0.6390, 0.3294



0.7049, 0.6360, 0.3277

Previews

White Background



This preview shows how the Yxy color 17.8837, 0.6220, 0.3292 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 17.8837, 0.6220, 0.3292 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 17.8837, 0.6220, 0.3292

Background



This preview shows how black text looks on a background with the Yxy color 17.8837, 0.6220, 0.3292.



This preview shows how white text looks on a background with the Yxy color 17.8837, 0.6220, 0.3292.

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

17.8837, 0.6220, 0.3292

Protanopia

18.2964, 0.4137, 0.4558

Deuteranopia

17.9779, 0.4703, 0.4648



Tritanopia

17.8915, 0.6266, 0.3324

Trichromacy



Original Color

17.8837, 0.6220, 0.3292

Protanomaly

14.8120, 0.5148, 0.3874

Deuteranomaly

15.3408, 0.5524, 0.3940

Tritanomaly

17.9016, 0.6251, 0.3316

Monochromacy



Original Color

17.8837, 0.6220, 0.3292

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.4141, 0.4647, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.8837, 0.6220, 0.3292 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, 24, 26)` looks like.

```
.text, #text, p{  
    color:rgb(232, 24, 26)  
}
```

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, 24, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 24, 26) }
```

Border

The CSS property to change the border of an element to Yxy 17.8837, 0.6220, 0.3292 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, 24, 26) }
```

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

```
.border{ border-color:rgb(232, 24, 26) }
```

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

Here you see how a box with a 4 pixel rgb(232, 24, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 24, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 24, 26);  
box-shadow:4px 4px 4px 4px rgb(232, 24,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 17.8837, 0.6220, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 24, 26) }
```

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

```
.background{ background-color: rgb(232, 24,  
26) }
```

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