

Converting Colors

$Y_{xy}(18.7067, 0.5905, 0.3319)$

Have a look what the booklet for
Yxy(18.7067, 0.5905, 0.3319)
contains.

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Color

Yxy(18.7170, 0.5905, 0.3324)

Conversions

Conversions Part 1

Format	Color
Hex	E3312D
RGB	227, 49, 45
RGB Percent	89%, 19%, 18%
CMY	0.1098, 0.8078, 0.8236
CMYK	0.00, 0.78, 0.80, 0.11
HSL	1°, 76%, 53%
HSV	1°, 80%, 89%
XYZ	33.2503, 18.7170, 4.3414
YIQ	101.7660, 107.3720, 36.4920

Conversions

Conversions Part 2

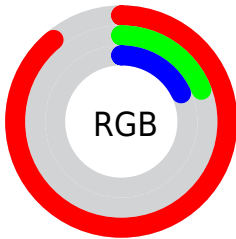
Format	Color
R_{YB}	227, 49, 45
Decimal	14889261
CIE _{Lab}	50.35, 66.30, 46.08
CIE _{LCh}	50, 80.737, 34.800
Yxy	18.7170, 0.5905, 0.3324
Android (android.graphics.Color)	4293079341 (0xFFE3312D)
YUV	101.7660, -27.9856, 109.8302
Hunter-Lab	43.2631, 61.4772, 24.3345

Details

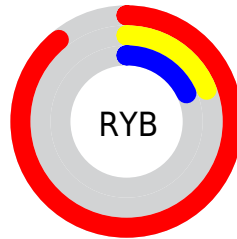
The Yxy color **18.7170, 0.5905, 0.3324** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.8619, 0.2270, 0.3233**, and the grayscale version is **13.2781, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4016, 0.5076, 0.3470**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.1654, 0.6223, 0.3316**, and if you desaturate by 10%, it is **21.2780, 0.5471, 0.3328**.

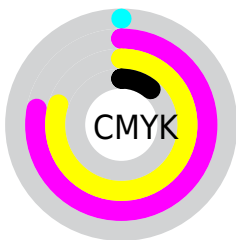
Distribution



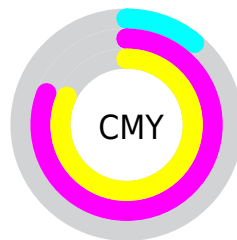
- Red (89%)
- Green (19%)
- Blue (18%)



- Red (89%)
- Yellow (19%)
- Blue (18%)



- Cyan (0%)
- Magenta (78%)
- Yellow (80%)
- Black (11%)





- Cyan (11%)
- Magenta (81%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7170, 0.5905, 0.3324 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 18.7170, 0.5905, 0.3324 by changing the saturation by 10% instead.


 18.7170, 0.5905,
0.3324


 18.7170, 0.5905,
0.3324


244.8820, 0.4373,
0.3472


 11.4660, 0.6286,
0.3206


 41.2553, 0.5336,
0.3433


 6.3812, 0.6775,
0.3018


 57.3114, 0.5123,
0.3457


 3.0782, 0.7326,
0.2674

 77.0714, 0.4945,
0.3469

 1.1727, 0.7906,
0.2094

 100.9195, 0.4794,
0.3476

 0.0392, 0.9802,
0.0198

 129.2402, 0.4666,
0.3478

 0.0000, 1.0000,
0.0000

 162.4179, 0.4555,

 0.0000, 0.0000,

0.3477

0.0000

200.8371, 0.4458,
0.3475

■ 18.7170, 0.5905,
0.3324

■ 18.7170, 0.5905,
0.3324

■ 17.1654, 0.6223,
0.3316

■ 21.2780, 0.5471,
0.3328


■ 16.4399, 0.6388,
0.3310

■ 24.9766, 0.4994,
0.3327


■ 29.9257, 0.4537,
0.3323


■ 36.2235, 0.4136,
0.3317

■ 43.9587, 0.3800,
0.3310

 53.2125, 0.3526,
0.3303

 64.0597, 0.3306,
0.3296

 76.5705, 0.3130,
0.3290

 90.8107, 0.2989,
0.3285

Harmonies

Analogous

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



18.7170, 0.5118, 0.2560



18.7170, 0.5905, 0.3324



18.7170, 0.5596, 0.4189

Triad

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



18.7170, 0.5905, 0.3324



18.7170, 0.2223, 0.5666



18.7170, 0.1378, 0.1351

Complementary

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



18.7170, 0.5905, 0.3324



58.8619, 0.2270, 0.3233

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.



18.7170, 0.1006, 0.1553



18.7170, 0.5905, 0.3324



18.7170, 0.1333, 0.3779

Square

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



18.7170, 0.5905, 0.3324



18.7170, 0.3417, 0.6090



18.7170, 0.0971, 0.2254



18.7170, 0.2195, 0.1475

Rectangle

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



18.7170, 0.5905, 0.3324



18.7170, 0.5003, 0.4880



18.7170, 0.0971, 0.2254



18.7170, 0.1212, 0.1378

Sweetspot

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



18.7181, 0.5905, 0.3324



64.2459, 0.3628, 0.3306



23.5864, 0.3238, 0.1658



12.8388, 0.3727, 0.3308



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.



18.7181, 0.5905, 0.3324



21.6418, 0.6342, 0.3309



34.9929, 0.4961, 0.4194



14.4188, 0.3292, 0.3296



9.6101, 0.6384, 0.3313



0.7283, 0.6337, 0.3350

Inverse Universe

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



58.8619, 0.2270, 0.3233



75.3954, 0.2232, 0.3222



22.8674, 0.1911, 0.1874



16.2787, 0.2982, 0.3284



33.7183, 0.2228, 0.3220



2.5092, 0.2231, 0.3231

Previews

White Background



This preview shows how the Yxy color 18.7170, 0.5905, 0.3324 looks on a white 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

Black Background



This preview shows how the Yxy color 18.7170, 0.5905, 0.3324 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 18.7170, 0.5905, 0.3324

Background



This preview shows how black text looks on a background with the Yxy color 18.7170, 0.5905, 0.3324.



This preview shows how white text looks on a background with the Yxy color 18.7170, 0.5905, 0.3324.

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

18.7170, 0.5905, 0.3324

Protanopia

19.0429, 0.3946, 0.4302

Deuteranopia

18.7987, 0.4594, 0.4501



Tritanopia

18.6665, 0.5870, 0.3292

Trichromacy



Original Color

18.7170, 0.5905, 0.3324

Protanomaly

16.7054, 0.4766, 0.3829

Deuteranomaly

17.0174, 0.5213, 0.3934

Tritanomaly

18.6582, 0.5881, 0.3298

Monochromacy



Original Color

18.7170, 0.5905, 0.3324

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9836, 0.4258, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7170, 0.5905, 0.3324 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(227, 49, 45)` looks like.

```
.text, #text, p{  
  color:rgb(227, 49, 45)  
}
```

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(227, 49, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 49, 45) }
```

Border

The CSS property to change the border of an element to Yxy 18.7170, 0.5905, 0.3324 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(227, 49, 45) }
```

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

```
.border{ border-color:rgb(227, 49, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 49, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 49, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 49, 45);  
box-shadow:4px 4px 4px 4px rgb(227, 49,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7170, 0.5905, 0.3324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 49, 45) }
```

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

```
.background{ background-color: rgb(227, 49,  
45) }
```

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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