

Converting Colors

$Y_{xy}(18.5775, 0.6123, 0.3335)$

Have a look what the booklet for
Yxy(18.5775, 0.6123, 0.3335)
contains.

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Color

Yxy(18.6358, 0.6123, 0.3336)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | E8261E |
| RGB | 232, 38, 30 |
| RGB Percent | 91%, 15%, 12% |
| CMY | 0.0902, 0.8508, 0.8824 |
| CMYK | 0.00, 0.84, 0.87, 0.09 |
| HSL | 2°, 81%, 51% |
| HSV | 2°, 87%, 91% |
| XYZ | 34.2047, 18.6358, 3.0222 |
| YIQ | 95.0940, 118.1920, 38.6400 |

Conversions

Conversions Part 2

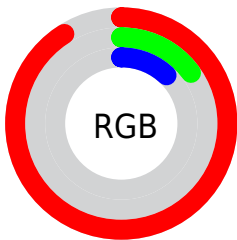
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 232, 38, 30 |
| Decimal | 15214110 |
| CIE Lab | 50.26, 70.05, 53.68 |
| CIE LCh | 50, 88.256, 37.465 |
| Yxy | 18.6358, 0.6123, 0.3336 |
| Android (android.graphics.Color) | 4293404190 (0xFFE8261E) |
| YUV | 95.0940, -32.0913, 120.0666 |
| Hunter-Lab | 43.1692, 65.8868, 26.0677 |

Details

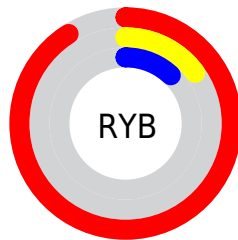
The Yxy color **18.6358, 0.6123, 0.3336** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **59.3873, 0.2235, 0.3180**, and the grayscale version is **11.5291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9132, 0.5271, 0.3529**, and **8.2155, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.5331, 0.6339, 0.3318**, and if you desaturate by 10%, it is **20.6781, 0.5759, 0.3349**.

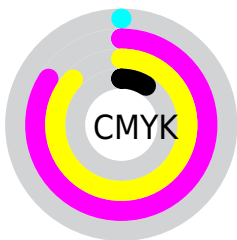
Distribution



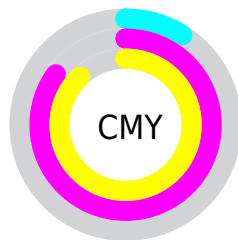
- Red (91%)
- Green (15%)
- Blue (12%)



- Red (91%)
- Yellow (15%)
- Blue (12%)



- Cyan (0%)
- Magenta (84%)
- Yellow (87%)
- Black (9%)




- Cyan (9%)
- Magenta (85%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6358, 0.6123, 0.3336 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 18.6358, 0.6123, 0.3336 by changing the saturation by 10% instead.


 18.6358, 0.6123,
0.3336


 18.6358, 0.6123,
0.3336


244.4307, 0.4507,
0.3524


 11.4074, 0.6498,
0.3193


 41.1178, 0.5540,
0.3473

 6.3416, 0.7011,
0.2989


 57.1402, 0.5316,
0.3503

 3.0539, 0.7427,
0.2573

 76.8626, 0.5127,
0.3519

 1.1599, 0.8013,
0.1987

 100.6697, 0.4965,
0.3528

 0.0286, 0.9865,
0.0135

 128.9456, 0.4826,
0.3531

 0.0000, 1.0000,
0.0000


 162.0748, 0.4705,


 0.0000, 0.0000,


0.3530


0.0000


 200.4417, 0.4599,
0.3528

 18.6358, 0.6123,
0.3336

 18.6358, 0.6123,
0.3336

 17.5331, 0.6339,
0.3318


 20.6781, 0.5759,
0.3349


 17.3552, 0.6379,
0.3317


 23.8056, 0.5305,
0.3354


 28.1423, 0.4834,
0.3351

 33.7944, 0.4397,
0.3343

 40.8563, 0.4019,
0.3332

 49.4140, 0.3706,
0.3320

 59.5466, 0.3451,
0.3308

 71.3275, 0.3247,
0.3297

 84.8256, 0.3083,
0.3287

Harmonies

Analogous

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



18.6358, 0.5417, 0.2556



18.6358, 0.6123, 0.3336



18.6358, 0.5661, 0.4257

Triad

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



18.6358, 0.6123, 0.3336



18.6358, 0.2009, 0.5792



18.6358, 0.1326, 0.1240

Complementary

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



18.6358, 0.6123, 0.3336



59.3873, 0.2235, 0.3180

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.



18.6358, 0.0913, 0.1403



18.6358, 0.6123, 0.3336



18.6358, 0.1146, 0.3613

Square

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



18.6358, 0.6123, 0.3336



18.6358, 0.3238, 0.6362



18.6358, 0.0840, 0.2055



18.6358, 0.2224, 0.1396

Rectangle

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



18.6358, 0.6123, 0.3336



18.6358, 0.4975, 0.5025



18.6358, 0.0840, 0.2055



18.6358, 0.1145, 0.1255

Sweetspot

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



18.6370, 0.6123, 0.3336



62.3309, 0.3679, 0.3319



23.5334, 0.3281, 0.1630



12.4911, 0.3779, 0.3323



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.



18.6370, 0.6123, 0.3336



21.4804, 0.6381, 0.3315



35.3473, 0.5084, 0.4222



14.4594, 0.3292, 0.3300



9.6785, 0.6371, 0.3324



0.7479, 0.6288, 0.3390

Inverse Universe

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



59.3873, 0.2235, 0.3180



72.4332, 0.2212, 0.3163



20.5825, 0.1830, 0.1686



16.2328, 0.2982, 0.3280



32.5094, 0.2213, 0.3166



2.4331, 0.2218, 0.3185

Previews

White Background



This preview shows how the Yxy color 18.6358, 0.6123, 0.3336 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 18.6358, 0.6123, 0.3336 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 18.6358, 0.6123, 0.3336

Background



This preview shows how black text looks on a background with the Yxy color 18.6358, 0.6123, 0.3336.



This preview shows how white text looks on a background with the Yxy color 18.6358, 0.6123, 0.3336.

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

18.6358, 0.6123, 0.3336

Protanopia

18.9648, 0.4116, 0.4532

Deuteranopia

18.7100, 0.4708, 0.4644



Tritanopia

18.6003, 0.6091, 0.3309

Trichromacy



Original Color

18.6358, 0.6123, 0.3336

Protanomaly

16.1954, 0.5039, 0.3935

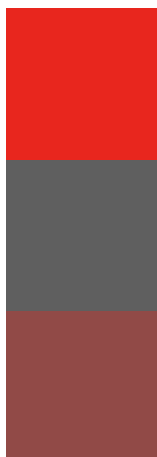
Deuteranomaly

16.5035, 0.5439, 0.3999

Tritanomaly

18.5887, 0.6107, 0.3318

Monochromacy



Original Color

18.6358, 0.6123, 0.3336

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.3722, 0.4491, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6358, 0.6123, 0.3336 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, 38, 30)` looks like.

```
.text, #text, p{  
    color:rgb(232, 38, 30)  
}
```

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, 38, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 38, 30) }
```

Border

The CSS property to change the border of an element to Yxy 18.6358, 0.6123, 0.3336 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, 38, 30) }
```

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

```
.border{ border-color:rgb(232, 38, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 38, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 38, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 38, 30);  
box-shadow:4px 4px 4px 4px rgb(232, 38,  
30) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6358, 0.6123, 0.3336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 38, 30) }
```

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

```
.background{ background-color: rgb(232, 38,  
30) }
```

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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