

Converting Colors

$Y_{xy}(18.7060, 0.6194, 0.3464)$

Have a look what the booklet for
Yxy(18.7060, 0.6194, 0.3464)
contains.

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Color

Yxy(18.6120, 0.6195, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	E52E00
RGB	229, 46, 0
RGB Percent	90%, 18%, 0%
CMY	0.1019, 0.8197, 0.9999
CMYK	0.00, 0.80, 1.00, 0.10
HSL	12°, 100%, 45%
HSV	12°, 100%, 90%
XYZ	33.2952, 18.6120, 1.8381
YIQ	95.4730, 123.8340, 24.4900

Conversions

Conversions Part 2

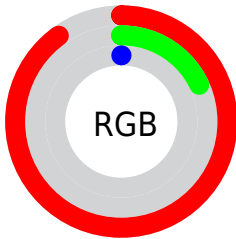
Format	Color
R_{YB}	229, 58, 0
Decimal	15019520
CIE _{Lab}	50.23, 66.99, 62.88
CIE _{LCh}	50, 91.882, 43.189
Yxy	18.6120, 0.6195, 0.3463
Android (android.graphics.Color)	4293209600 (0xFFE52E00)
YUV	95.4730, -47.0682, 117.1032
Hunter-Lab	43.1416, 62.2623, 27.6730

Details

The Yxy color **18.6120, 0.6195, 0.3463** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **39.5533, 0.2062, 0.2623**, and the grayscale version is **11.6540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5028, 0.5410, 0.3704**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.6120, 0.6195, 0.3463**, and if you desaturate by 10%, it is **20.4211, 0.5950, 0.3540**.

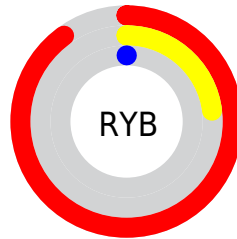
Distribution



Red (90%)

Green (18%)

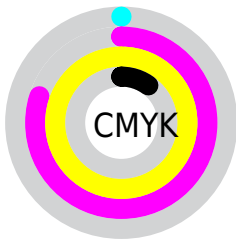
Blue (0%)



Red (90%)

Yellow (23%)

Blue (0%)

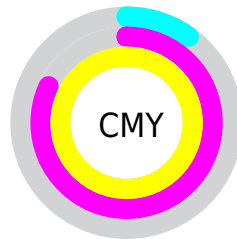


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6120, 0.6195, 0.3463 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 18.6120, 0.6195, 0.3463 by changing the saturation by 10% instead.


 18.6120, 0.6195,
0.3463


 18.6120, 0.6195,
0.3463


 244.2983, 0.4588,
0.3631


 11.3903, 0.6553,
0.3315


 41.0774, 0.5638,
0.3608


 6.3300, 0.6940,
0.3060


 57.0899, 0.5416,
0.3636


 3.0467, 0.7350,
0.2650

 76.8014, 0.5225,
0.3650

 1.1562, 0.7933,
0.2067

 100.5964, 0.5061,
0.3654

 0.0255, 0.9871,
0.0129

 128.8591, 0.4918,
0.3652

 0.0000, 1.0000,
0.0000


 161.9741, 0.4794,


 0.0000, 0.0000,


0.3647


0.0000


 200.3257, 0.4684,
0.3640


 18.6120, 0.6195,
0.3463

 20.4211, 0.5950,
0.3540

 22.9803, 0.5608,
0.3593

 26.3737, 0.5204,
0.3609

 30.6681, 0.4788,
0.3594

 35.9231, 0.4397,
0.3557

■ 42.1930, 0.4049,
0.3507

■ 49.5280, 0.3752,
0.3451

■ 57.9751, 0.3504,
0.3395

■ 67.5781, 0.3297,
0.3341

Harmonies

Analogous

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



18.6120, 0.5749, 0.2670



18.6120, 0.6195, 0.3463



18.6120, 0.5538, 0.4462

Triad

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



18.6120, 0.6195, 0.3463



18.6120, 0.1743, 0.5535



18.6120, 0.1408, 0.1197

Complementary

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



18.6120, 0.6195, 0.3463



39.5533, 0.2062, 0.2623

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.



18.6120, 0.0915, 0.1290



18.6120, 0.6195, 0.3463



18.6120, 0.0988, 0.3212

Square

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



18.6120, 0.6195, 0.3463



18.6120, 0.2950, 0.6547



18.6120, 0.0777, 0.1823



18.6120, 0.2441, 0.1413

Rectangle

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



18.6120, 0.6195, 0.3463



18.6120, 0.4738, 0.5262



18.6120, 0.0777, 0.1823



18.6120, 0.1195, 0.1192

Sweetspot

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



18.6132, 0.6195, 0.3463



63.0117, 0.3758, 0.3452



20.0899, 0.3799, 0.1867



12.6035, 0.3878, 0.3476



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.



18.6132, 0.6195, 0.3463



23.6425, 0.6203, 0.3456



41.9141, 0.4855, 0.4527



14.8339, 0.3287, 0.3338



10.7750, 0.6172, 0.3482



0.9260, 0.5898, 0.3699

Inverse Universe

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



39.5533, 0.2062, 0.2623



50.3251, 0.2061, 0.2619



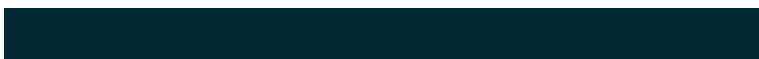
9.8802, 0.1604, 0.0975



15.8192, 0.2981, 0.3242



22.7838, 0.2065, 0.2634



1.8088, 0.2095, 0.2741

Previews

White Background



This preview shows how the Yxy color 18.6120, 0.6195, 0.3463 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 18.6120, 0.6195, 0.3463 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 18.6120, 0.6195, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 18.6120, 0.6195, 0.3463.



This preview shows how white text looks on a background with the Yxy color 18.6120, 0.6195, 0.3463.

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

18.6120, 0.6195, 0.3463

Protanopia

18.9048, 0.4287, 0.4759

Deuteranopia

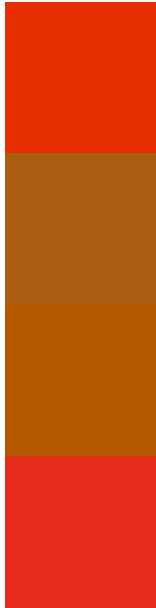
18.7100, 0.4708, 0.4644



Tritanopia

18.5602, 0.5974, 0.3298

Trichromacy



Original Color

18.6120, 0.6195, 0.3463

Protanomaly

16.4809, 0.5171, 0.4164

Deuteranomaly

16.8481, 0.5421, 0.4078

Tritanomaly

18.5385, 0.6097, 0.3383

Monochromacy



Original Color

18.6120, 0.6195, 0.3463

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.5633, 0.4642, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6120, 0.6195, 0.3463 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(229, 46, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 46, 0)  
}
```

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(229, 46, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 46, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.6120, 0.6195, 0.3463 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(229, 46, 0) }
```

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

```
.border{ border-color:rgb(229, 46, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 46, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 46, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 46, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 46, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.6120, 0.6195, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 46, 0) }
```

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

```
.background{ background-color: rgb(229, 46,  
0) }
```

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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