

Converting Colors

$Y_{xy}(18.2193, 0.6174, 0.3390)$

Have a look what the booklet for
Yxy(18.2193, 0.6174, 0.3390)
contains.

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Color

Yxy(18.2193, 0.6174, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	E52812
RGB	229, 40, 18
RGB Percent	90%, 16%, 7%
CMY	0.1020, 0.8431, 0.9291
CMYK	0.00, 0.83, 0.92, 0.10
HSL	6°, 85%, 48%
HSV	6°, 92%, 90%
XYZ	33.1817, 18.2193, 2.3432
YIQ	94.0030, 119.7060, 33.2260

Conversions

Conversions Part 2

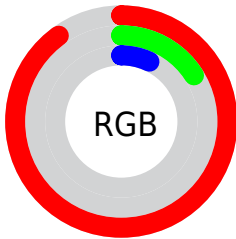
Format	Color
R_{YB}	229, 43, 18
Decimal	15018002
CIE Lab	49.76, 68.61, 57.75
CIE LCh	50, 89.682, 40.087
Yxy	18.2193, 0.6174, 0.3390
Android (android.graphics.Color)	4293208082 (0xFFE52812)
YUV	94.0030, -37.4695, 118.3924
Hunter-Lab	42.6841, 64.0650, 26.6240

Details

The Yxy color **18.2193, 0.6174, 0.3390** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **50.4414, 0.2172, 0.2983**, and the grayscale version is **11.2672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7805, 0.5365, 0.3602**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **17.3038, 0.6330, 0.3356**, and if you desaturate by 10%, it is **20.1057, 0.5860, 0.3429**.

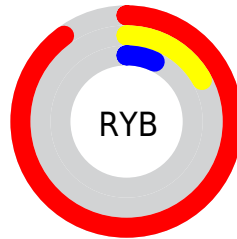
Distribution



Red (90%)

Green (16%)

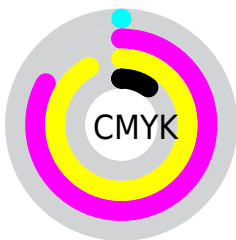
Blue (7%)



Red (90%)

Yellow (17%)

Blue (7%)

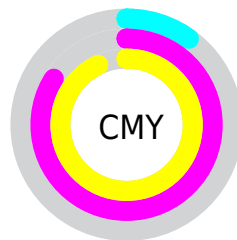


Cyan (0%)

Magenta (83%)

Yellow (92%)

Black (10%)



Cyan (10%)


Magenta (84%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2193, 0.6174, 0.3390 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 18.2193, 0.6174, 0.3390 by changing the saturation by 10% instead.


 18.2193, 0.6174,
0.3390


 18.2193, 0.6174,
0.3390


242.1042, 0.4546,
0.3572


 11.1075, 0.6540,
0.3239


 40.4107, 0.5596,
0.3533


 6.1392, 0.6995,
0.3005

 56.2590, 0.5371,
0.3563


 2.9299, 0.7415,
0.2585

 75.7884, 0.5179,
0.3578

 1.0953, 0.8010,
0.1990

 99.3832, 0.5015,
0.3585


 0.0000, 1.0000,
0.0000


 127.4278, 0.4873,
0.3586

 0.0000, 0.0000,
0.0000


 160.3066, 0.4749,


0.3583


 198.4039, 0.4641,
0.3578


 18.2193, 0.6174,
0.3390


 18.2193, 0.6174,
0.3390


 17.3038, 0.6330,
0.3356

 20.1057, 0.5860,
0.3429

 22.9191, 0.5445,
0.3449

 26.7606, 0.4992,
0.3449

 31.7170, 0.4556,
0.3434

 37.8661, 0.4167,
0.3410

■ 45.2785, 0.3837,
0.3381

■ 54.0193, 0.3564,
0.3351

■ 64.1492, 0.3342,
0.3322

■ 75.7251, 0.3161,
0.3295

Harmonies

Analogous

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



18.2193, 0.5583, 0.2604



18.2193, 0.6174, 0.3390



18.2193, 0.5623, 0.4352

Triad

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



18.2193, 0.6174, 0.3390



18.2193, 0.1879, 0.5701



18.2193, 0.1355, 0.1213

Complementary

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



18.2193, 0.6174, 0.3390



50.4414, 0.2172, 0.2983

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.



18.2193, 0.0906, 0.1343



18.2193, 0.6174, 0.3390



18.2193, 0.1063, 0.3428

Square

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



18.2193, 0.6174, 0.3390



18.2193, 0.3102, 0.6465



18.2193, 0.0802, 0.1939



18.2193, 0.2315, 0.1396

Rectangle

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



18.2193, 0.6174, 0.3390



18.2193, 0.4869, 0.5131



18.2193, 0.0802, 0.1939



18.2193, 0.1160, 0.1218

Sweetspot

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



18.2204, 0.6174, 0.3390



61.9772, 0.3723, 0.3369



21.6425, 0.3456, 0.1704



12.2811, 0.3849, 0.3382



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.



18.2204, 0.6174, 0.3390



22.0222, 0.6335, 0.3352



36.8398, 0.5012, 0.4345



14.6079, 0.3290, 0.3315



9.9754, 0.6314, 0.3368



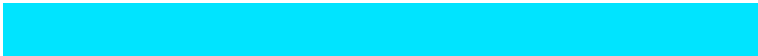
0.8190, 0.6120, 0.3523

Inverse Universe

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



50.4414, 0.2172, 0.2983



62.9692, 0.2154, 0.2953



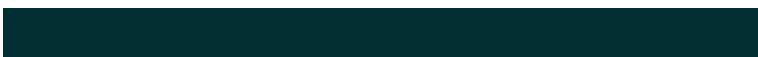
15.3769, 0.1734, 0.1390



16.0667, 0.2982, 0.3265



28.3530, 0.2156, 0.2961



2.1693, 0.2170, 0.3013

Previews

White Background



This preview shows how the Yxy color 18.2193, 0.6174, 0.3390 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 18.2193, 0.6174, 0.3390 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 18.2193, 0.6174, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 18.2193, 0.6174, 0.3390.



This preview shows how white text looks on a background with the Yxy color 18.2193, 0.6174, 0.3390.

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

18.2193, 0.6174, 0.3390

Protanopia

18.3076, 0.4229, 0.4667

Deuteranopia

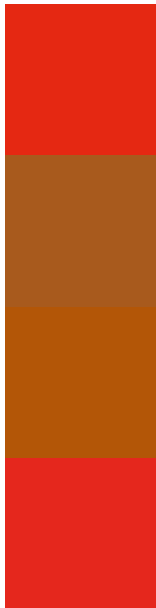
18.2943, 0.4699, 0.4651



Tritanopia

18.1716, 0.6068, 0.3309

Trichromacy



Original Color

18.2193, 0.6174, 0.3390

Protanomaly

15.7259, 0.5149, 0.4043

Deuteranomaly

16.2546, 0.5436, 0.4024

Tritanomaly

18.1978, 0.6116, 0.3346

Monochromacy



Original Color

18.2193, 0.6174, 0.3390

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.1305, 0.4553, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2193, 0.6174, 0.3390 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, 40, 18)` looks like.

```
.text, #text, p{  
  color:rgb(229, 40, 18)  
}
```

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, 40, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 40, 18) }
```

Border

The CSS property to change the border of an element to Yxy 18.2193, 0.6174, 0.3390 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, 40, 18) }
```

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

```
.border{ border-color:rgb(229, 40, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 40, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 40, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 40, 18);  
box-shadow:4px 4px 4px 4px rgb(229, 40,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2193, 0.6174, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 40, 18) }
```

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

```
.background{ background-color: rgb(229, 40,  
18) }
```

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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