

Converting Colors

$Y_{xy}(18.2142, 0.6163, 0.3488)$

Have a look what the booklet for
Yxy(18.2142, 0.6163, 0.3488)
contains.

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Color

Yxy(18.2042, 0.6162, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	E13100
RGB	225, 49, 0
RGB Percent	88%, 19%, 0%
CMY	0.1176, 0.8078, 0.9998
CMYK	0.00, 0.78, 1.00, 0.12
HSL	13°, 100%, 44%
HSV	13°, 100%, 88%
XYZ	32.1508, 18.2042, 1.8209
YIQ	96.0380, 120.6250, 22.0730

Conversions

Conversions Part 2

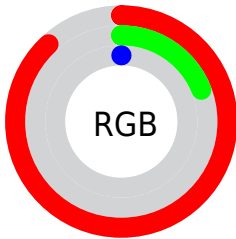
Format	Color
R_{YB}	225, 63, 0
Decimal	14758144
CIE Lab	49.74, 65.01, 62.20
CIE LCh	50, 89.974, 43.738
Yxy	18.2042, 0.6162, 0.3489
Android (android.graphics.Color)	4292948224 (0xFFE13100)
YUV	96.0380, -47.3467, 113.0997
Hunter-Lab	42.6664, 59.8408, 27.3361

Details

The Yxy color **18.2042, 0.6162, 0.3489** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **36.5106, 0.2046, 0.2564**, and the grayscale version is **11.8049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7173, 0.5400, 0.3713**, and **7.4736, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.2011, 0.6162, 0.3489**, and if you desaturate by 10%, it is **20.0363, 0.5913, 0.3570**.

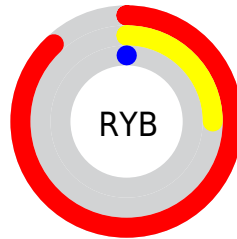
Distribution



Red (88%)

Green (19%)

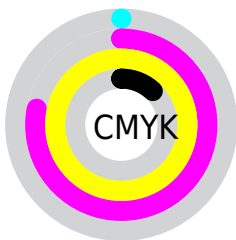
Blue (0%)



Red (88%)

Yellow (25%)

Blue (0%)

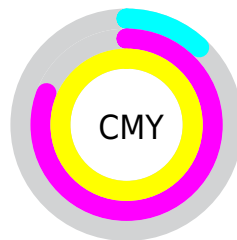


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2042, 0.6162, 0.3489 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 18.2042, 0.6162, 0.3489 by changing the saturation by 10% instead.


 18.2042, 0.6162,
0.3489


 18.2042, 0.6162,
0.3489


 242.0195, 0.4564,
0.3639


 11.0967, 0.6522,
0.3345


 40.3850, 0.5605,
0.3627


 6.1319, 0.6908,
0.3092

 56.2270, 0.5385,
0.3653

 2.9255, 0.7321,
0.2679

 75.7494, 0.5195,
0.3664

 1.0929, 0.7913,
0.2087

 99.3364, 0.5032,
0.3666

 0.0000, 1.0000,
0.0000


 127.3726, 0.4891,
0.3663

 0.0000, 0.0000,
0.0000


 160.2422, 0.4767,

0.3657

 198.3297, 0.4659,
0.3648


 18.2042, 0.6162,
0.3489


 18.2042, 0.6162,
0.3489

 18.2011, 0.6162,
0.3489

 20.0363, 0.5913,
0.3570

 22.5721, 0.5572,
0.3623

 25.8874, 0.5174,
0.3638

 30.0422, 0.4765,
0.3620

 35.0900, 0.4381,
0.3579

■ 41.0800, 0.4040,
0.3524

■ 48.0574, 0.3747,
0.3464

■ 56.0647, 0.3501,
0.3403

■ 65.1417, 0.3296,
0.3345

Harmonies

Analogous

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



18.2042, 0.5737, 0.2695



18.2042, 0.6162, 0.3489



18.2042, 0.5510, 0.4490

Triad

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



18.2042, 0.6162, 0.3489



18.2042, 0.1744, 0.5460



18.2042, 0.1436, 0.1215

Complementary

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



18.2042, 0.6162, 0.3489



36.5106, 0.2046, 0.2564

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.



18.2042, 0.0937, 0.1303



18.2042, 0.6162, 0.3489



18.2042, 0.1000, 0.3182

Square

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



18.2042, 0.6162, 0.3489



18.2042, 0.2941, 0.6509



18.2042, 0.0794, 0.1825



18.2042, 0.2475, 0.1436

Rectangle

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



18.2042, 0.6162, 0.3489



18.2042, 0.4716, 0.5284



18.2042, 0.0794, 0.1825



18.2042, 0.1221, 0.1208

Sweetspot

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



18.2053, 0.6162, 0.3489



63.5899, 0.3754, 0.3466



19.1545, 0.3856, 0.1898



12.7366, 0.3872, 0.3491



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.



18.2053, 0.6162, 0.3489



24.0386, 0.6173, 0.3481



41.5923, 0.4810, 0.4563



14.1816, 0.3287, 0.3342



10.6288, 0.6138, 0.3508



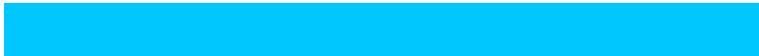
0.8683, 0.5841, 0.3744

Inverse Universe

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



36.5106, 0.2046, 0.2564



48.3045, 0.2044, 0.2559



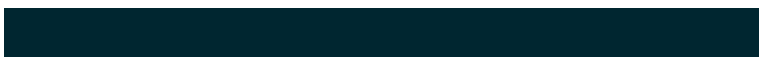
9.0806, 0.1594, 0.0939



15.0397, 0.2982, 0.3238



21.2138, 0.2049, 0.2576



1.5975, 0.2083, 0.2699

Previews

White Background



This preview shows how the Yxy color 18.2042, 0.6162, 0.3489 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 18.2042, 0.6162, 0.3489 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 18.2042, 0.6162, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 18.2042, 0.6162, 0.3489.



This preview shows how white text looks on a background with the Yxy color 18.2042, 0.6162, 0.3489.

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

18.2042, 0.6162, 0.3489

Protanopia

18.3411, 0.4300, 0.4743

Deuteranopia

18.2943, 0.4699, 0.4651



Tritanopia

18.3200, 0.5911, 0.3298

Trichromacy



Original Color

18.2042, 0.6162, 0.3489

Protanomaly

16.2614, 0.5150, 0.4179

Deuteranomaly

16.6594, 0.5378, 0.4112

Tritanomaly

18.2905, 0.6052, 0.3395

Monochromacy



Original Color

18.2042, 0.6162, 0.3489

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7685, 0.4586, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2042, 0.6162, 0.3489 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(225, 49, 0)` looks like.

```
.text, #text, p{  
  color:rgb(225, 49, 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(225, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 49, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.2042, 0.6162, 0.3489 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(225, 49, 0) }
```

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

```
.border{ border-color:rgb(225, 49, 0) }
```

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

Here you see how a box with a 4 pixel rgb(225, 49, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(225, 49, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.2042, 0.6162, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 49, 0) }
```

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

```
.background{ background-color: rgb(225, 49,  
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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