

Converting Colors

$Y_{xy}(18.6222, 0.6159, 0.3491)$

Have a look what the booklet for
Yxy(18.6222, 0.6159, 0.3491)
contains.

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Color

Yxy(18.6121, 0.6158, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	E33200
RGB	227, 50, 0
RGB Percent	89%, 20%, 0%
CMY	0.1098, 0.8039, 0.9996
CMYK	0.00, 0.78, 1.00, 0.11
HSL	13°, 100%, 45%
HSV	13°, 100%, 89%
XYZ	32.8217, 18.6121, 1.8655
YIQ	97.2230, 121.5420, 21.9740

Conversions

Conversions Part 2

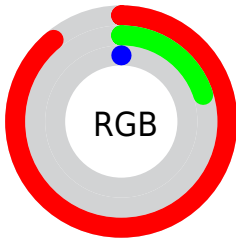
Format	Color
R_{YB}	227, 64, 0
Decimal	14889472
CIE _{Lab}	50.23, 65.31, 62.63
CIE _{LCh}	50, 90.489, 43.799
Yxy	18.6121, 0.6158, 0.3492
Android (android.graphics.Color)	4293079552 (0xFFE33200)
YUV	97.2230, -47.9309, 113.8144
Hunter-Lab	43.1417, 60.3024, 27.6355

Details

The Yxy color **18.6121, 0.6158, 0.3492** 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 **37.0368, 0.2043, 0.2556**, and the grayscale version is **12.1123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9446, 0.5383, 0.3717**, and **7.6814, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.6062, 0.6159, 0.3492**, and if you desaturate by 10%, it is **20.4919, 0.5909, 0.3573**.

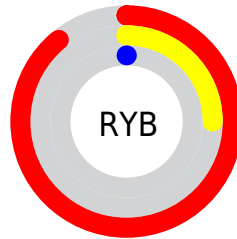
Distribution



Red (89%)

Green (20%)

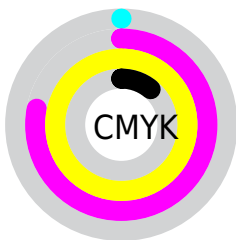
Blue (0%)



Red (89%)

Yellow (25%)

Blue (0%)

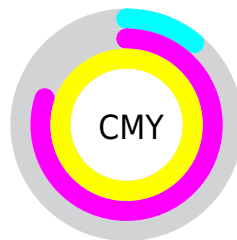


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (11%)



Cyan (11%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6121, 0.6158, 0.3492 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 18.6121, 0.6158, 0.3492 by changing the saturation by 10% instead.


 18.6121, 0.6158,
0.3492


 18.6121, 0.6158,
0.3492


 244.2989, 0.4568,
0.3640


 11.3903, 0.6512,
0.3349


 41.0776, 0.5605,
0.3629

 6.3300, 0.6899,
0.3101


 57.0901, 0.5386,
0.3654


 3.0468, 0.7306,
0.2694

 76.8017, 0.5197,
0.3665

 1.1562, 0.7887,
0.2113

 100.5967, 0.5035,
0.3668

 0.0255, 0.9866,
0.0134

 128.8595, 0.4894,
0.3665

 0.0000, 1.0000,
0.0000


 161.9745, 0.4771,


 0.0000, 0.0000,


0.3658


0.0000

 200.3262, 0.4663,
0.3650

 18.6121, 0.6158,
0.3492

 18.6121, 0.6158,
0.3492


 18.6062, 0.6159,
0.3492

 20.4919, 0.5909,
0.3573

 23.0880, 0.5568,
0.3627

 26.4771, 0.5171,
0.3642

 30.7200, 0.4763,
0.3624

 35.8710, 0.4380,
0.3582

■ 41.9798, 0.4039,
0.3527

■ 49.0924, 0.3747,
0.3466

■ 57.2518, 0.3501,
0.3404

■ 66.4985, 0.3296,
0.3345

Harmonies

Analogous

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



18.6121, 0.5736, 0.2698



18.6121, 0.6158, 0.3492



18.6121, 0.5507, 0.4493

Triad

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



18.6121, 0.6158, 0.3492



18.6121, 0.1744, 0.5451



18.6121, 0.1440, 0.1217

Complementary

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



18.6121, 0.6158, 0.3492



37.0368, 0.2043, 0.2556

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.



18.6121, 0.0939, 0.1304



18.6121, 0.6158, 0.3492



18.6121, 0.1002, 0.3179

Square

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



18.6121, 0.6158, 0.3492



18.6121, 0.2941, 0.6504



18.6121, 0.0796, 0.1825



18.6121, 0.2479, 0.1438

Rectangle

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



18.6121, 0.6158, 0.3492



18.6121, 0.4714, 0.5286



18.6121, 0.0796, 0.1825



18.6121, 0.1224, 0.1210

Sweetspot

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



18.6133, 0.6158, 0.3492



63.6688, 0.3753, 0.3467



19.5426, 0.3856, 0.1898



12.7548, 0.3872, 0.3493



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.



18.6133, 0.6158, 0.3492



24.0952, 0.6168, 0.3484



42.4268, 0.4810, 0.4562



14.8792, 0.3287, 0.3342



10.9917, 0.6135, 0.3511



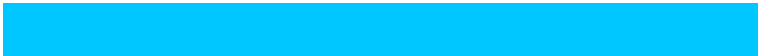
0.9481, 0.5856, 0.3733

Inverse Universe

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



37.0368, 0.2043, 0.2556



48.0343, 0.2042, 0.2550



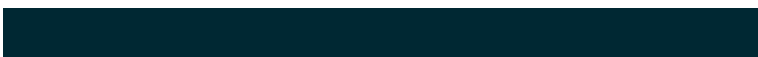
9.2583, 0.1594, 0.0939



15.7704, 0.2981, 0.3237



21.7723, 0.2047, 0.2568



1.7422, 0.2079, 0.2685

Previews

White Background



This preview shows how the Yxy color 18.6121, 0.6158, 0.3492 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 18.6121, 0.6158, 0.3492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

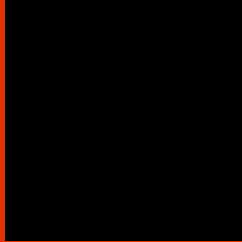
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.6121, 0.6158, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 18.6121, 0.6158, 0.3492.



This preview shows how white text looks on a background with the Yxy color 18.6121, 0.6158, 0.3492.

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

18.6121, 0.6158, 0.3492

Protanopia

18.9048, 0.4287, 0.4759

Deuteranopia

18.7100, 0.4708, 0.4644



Tritanopia

18.7322, 0.5903, 0.3298

Trichromacy



Original Color

18.6121, 0.6158, 0.3492

Protanomaly

16.5497, 0.5144, 0.4185

Deuteranomaly

17.0659, 0.5379, 0.4111

Tritanomaly

18.7016, 0.6044, 0.3396

Monochromacy



Original Color

18.6121, 0.6158, 0.3492

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0144, 0.4573, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6121, 0.6158, 0.3492 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, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 50, 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(227, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 50, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.6121, 0.6158, 0.3492 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, 50, 0) }
```

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

```
.border{ border-color:rgb(227, 50, 0) }
```

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

Here you see how a box with a 4 pixel rgb(227, 50, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 50, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.6121, 0.6158, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 50, 0) }
```

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

```
.background{ background-color: rgb(227, 50,  
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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