

Converting Colors

$Y_{xy}(14.8580, 0.6130, 0.3515)$

Have a look what the booklet for
Yxy(14.8580, 0.6130, 0.3515)
contains.

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Color

Yxy(14.8704, 0.6128, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	CC2F00
RGB	204, 47, 0
RGB Percent	80%, 18%, 0%
CMY	0.2000, 0.8156, 0.9998
CMYK	0.00, 0.77, 1.00, 0.20
HSL	14°, 100%, 40%
HSV	14°, 100%, 80%
XYZ	25.9175, 14.8704, 1.5056
YIQ	88.5850, 108.6590, 18.6670

Conversions

Conversions Part 2

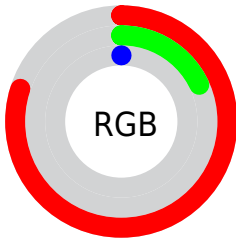
Format	Color
RYB	204, 61, 0
Decimal	13381376
CIELab	45.46, 59.33, 57.95
CIELCh	45, 82.941, 44.326
Yxy	14.8704, 0.6128, 0.3516
Android (android.graphics.Color)	4291571456 (0xFFCC2F00)
YUV	88.5850, -43.6724, 101.2190
Hunter-Lab	38.5622, 52.4853, 24.6785

Details

The Yxy color **14.8704, 0.6128, 0.3516** 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 **28.4813, 0.2035, 0.2524**, and the grayscale version is **9.9773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8536, 0.5454, 0.3688**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.8681, 0.6128, 0.3516**, and if you desaturate by 10%, it is **16.4129, 0.5870, 0.3596**.

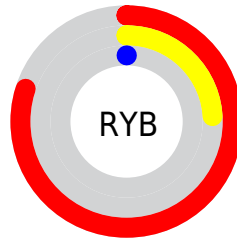
Distribution



Red (80%)

Green (18%)

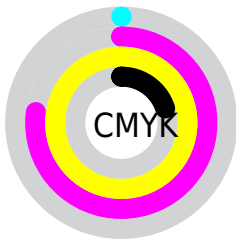
Blue (0%)



Red (80%)

Yellow (24%)

Blue (0%)

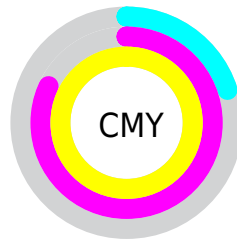


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8704, 0.6128, 0.3516 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 14.8704, 0.6128, 0.3516 by changing the saturation by 10% instead.

 14.8704, 0.6128,
0.3516


 14.8704, 0.6128,
0.3516


 222.5804, 0.4492,
0.3641


 8.7285, 0.6537,
0.3377


 34.6257, 0.5544,
0.3651


 4.5645, 0.6920,
0.3080

 49.0078, 0.5316,
0.3672


 1.9941, 0.7385,
0.2615

 66.9055, 0.5123,
0.3679

 0.6040, 0.8150,
0.1850

 88.7030, 0.4958,
0.3678


 0.0000, 1.0000,
0.0000

 114.7849, 0.4816,
0.3672

 0.0000, 0.0000,
0.0000


 145.5355, 0.4693,


0.3663

 181.3392, 0.4586,
0.3652


 14.8704, 0.6128,
0.3516

 14.8704, 0.6128,
0.3516

 14.8681, 0.6128,
0.3516

 16.4129, 0.5870,
0.3596

 18.5047, 0.5529,
0.3647

 21.2036, 0.5137,
0.3660

 24.5546, 0.4737,
0.3638

 28.5977, 0.4361,
0.3594

■ 33.3697, 0.4027,
0.3536

■ 38.9049, 0.3740,
0.3473

■ 45.2350, 0.3497,
0.3409

■ 52.3904, 0.3295,
0.3348

Harmonies

Analogous

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



14.8704, 0.5726, 0.2721



14.8704, 0.6128, 0.3516



14.8704, 0.5481, 0.4519

Triad

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



14.8704, 0.6128, 0.3516



14.8704, 0.1744, 0.5383



14.8704, 0.1466, 0.1233

Complementary

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



14.8704, 0.6128, 0.3516



28.4813, 0.2035, 0.2524

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.



14.8704, 0.0959, 0.1316



14.8704, 0.6128, 0.3516



14.8704, 0.1013, 0.3151

Square

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



14.8704, 0.6128, 0.3516



14.8704, 0.2931, 0.6469



14.8704, 0.0811, 0.1827



14.8704, 0.2511, 0.1459

Rectangle

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



14.8704, 0.6128, 0.3516



14.8704, 0.4694, 0.5306



14.8704, 0.0811, 0.1827



14.8704, 0.1248, 0.1225

Sweetspot

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



14.8713, 0.6128, 0.3516



64.0280, 0.3751, 0.3476



15.3689, 0.3851, 0.1895



12.8377, 0.3868, 0.3503



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.



14.8713, 0.6128, 0.3516



24.3602, 0.6148, 0.3500



33.4591, 0.4805, 0.4566



11.6260, 0.3284, 0.3344



9.4774, 0.6105, 0.3534



0.6081, 0.5716, 0.3844

Inverse Universe

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



28.4813, 0.2035, 0.2524



46.8218, 0.2031, 0.2513



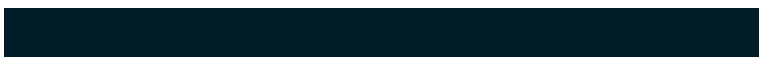
7.3691, 0.1597, 0.0949



12.2718, 0.2983, 0.3235



18.0718, 0.2038, 0.2536



1.0420, 0.2083, 0.2700

Previews

White Background



This preview shows how the Yxy color 14.8704, 0.6128, 0.3516 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 14.8704, 0.6128, 0.3516 looks on a black 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

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

Yxy 14.8704, 0.6128, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 14.8704, 0.6128, 0.3516.



This preview shows how white text looks on a background with the Yxy color 14.8704, 0.6128, 0.3516.

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

14.8704, 0.6128, 0.3516

Protanopia

15.1408, 0.4286, 0.4751

Deuteranopia

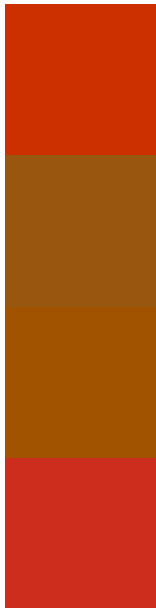
15.0189, 0.4698, 0.4652



Tritanopia

14.9700, 0.5836, 0.3291

Trichromacy



Original Color

14.8704, 0.6128, 0.3516

Protanomaly

13.3655, 0.5130, 0.4190

Deuteranomaly

13.7636, 0.5347, 0.4136

Tritanomaly

14.9446, 0.5994, 0.3401

Monochromacy



Original Color

14.8704, 0.6128, 0.3516

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0183, 0.4528, 0.3616

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8704, 0.6128, 0.3516 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(204, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 47, 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(204, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 47, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.8704, 0.6128, 0.3516 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(204, 47, 0) }
```

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

```
.border{ border-color:rgb(204, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 47, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8704, 0.6128, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 47, 0) }
```

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

```
.background{ background-color: rgb(204, 47,  
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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