

Converting Colors

$Y_{xy}(14.9740, 0.6116, 0.3526)$

Have a look what the booklet for
Yxy(14.9740, 0.6116, 0.3526)
contains.

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Color

Yxy(14.9513, 0.6118, 0.3524)

Conversions

Conversions Part 1

Format	Color
Hex	CC3000
RGB	204, 48, 0
RGB Percent	80%, 19%, 0%
CMY	0.2000, 0.8116, 0.9998
CMYK	0.00, 0.76, 1.00, 0.20
HSL	14°, 100%, 40%
HSV	14°, 100%, 80%
XYZ	25.9569, 14.9513, 1.5189
YIQ	89.1720, 108.3840, 18.1440

Conversions

Conversions Part 2

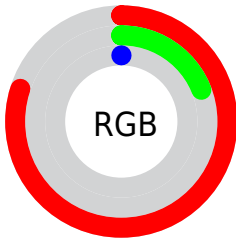
Format	Color
R_{YB}	204, 63, 0
Decimal	13381632
CIE _{Lab}	45.57, 59.02, 58.01
CIE _{LCh}	46, 82.752, 44.504
Yxy	14.9513, 0.6118, 0.3524
Android (android.graphics.Color)	4291571712 (0xFFCC3000)
YUV	89.1720, -43.9618, 100.7042
Hunter-Lab	38.6669, 52.1590, 24.7378

Details

The Yxy color **14.9513, 0.6118, 0.3524** 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 **28.1360, 0.2030, 0.2506**, and the grayscale version is **10.1156, 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 **14.9497, 0.6118, 0.3524**, and if you desaturate by 10%, it is **16.5129, 0.5859, 0.3605**.

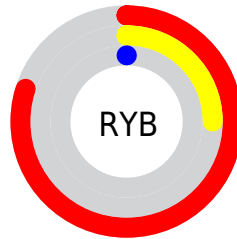
Distribution



Red (80%)

Green (19%)

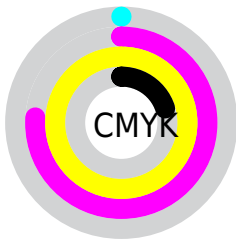
Blue (0%)



Red (80%)

Yellow (25%)

Blue (0%)

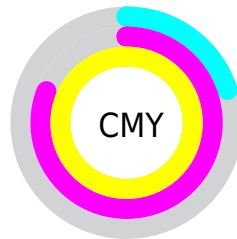


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9513, 0.6118, 0.3524 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 14.9513, 0.6118, 0.3524 by changing the saturation by 10% instead.


 14.9513, 0.6118,
0.3524


 14.9513, 0.6118,
0.3524


 223.0713, 0.4489,
0.3643

 8.7852, 0.6524,
0.3387


 34.7677, 0.5536,
0.3657


 4.6014, 0.6907,
0.3093

 49.1868, 0.5309,
0.3677


 2.0153, 0.7369,
0.2631

 67.1258, 0.5117,
0.3684

 0.6163, 0.8124,
0.1876

 88.9689, 0.4952,
0.3682


 0.0000, 1.0000,
0.0000


 115.1006, 0.4811,
0.3675


 0.0000, 0.0000,
0.0000

 145.9053, 0.4689,


0.3666


 181.7674, 0.4582,
0.3655


 14.9513, 0.6118,
0.3524


 14.9513, 0.6118,
0.3524

 14.9497, 0.6118,
0.3524

 16.5129, 0.5859,
0.3605

 18.6196, 0.5520,
0.3656

 21.3285, 0.5129,
0.3668

 24.6833, 0.4731,
0.3646

 28.7237, 0.4357,
0.3600

■ 33.4858, 0.4025,
0.3542

■ 39.0031, 0.3739,
0.3477

■ 45.3071, 0.3497,
0.3412

■ 52.4272, 0.3295,
0.3349

Harmonies

Analogous

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



14.9513, 0.5723, 0.2729



14.9513, 0.6118, 0.3524



14.9513, 0.5472, 0.4528

Triad

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



14.9513, 0.6118, 0.3524



14.9513, 0.1744, 0.5360



14.9513, 0.1475, 0.1239

Complementary

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



14.9513, 0.6118, 0.3524



28.1360, 0.2030, 0.2506

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.



14.9513, 0.0966, 0.1319



14.9513, 0.6118, 0.3524



14.9513, 0.1016, 0.3142

Square

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



14.9513, 0.6118, 0.3524



14.9513, 0.2928, 0.6456



14.9513, 0.0816, 0.1827



14.9513, 0.2521, 0.1466

Rectangle

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



14.9513, 0.6118, 0.3524



14.9513, 0.4687, 0.5313



14.9513, 0.0816, 0.1827



14.9513, 0.1257, 0.1229

Sweetspot

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



14.9522, 0.6118, 0.3524



64.2006, 0.3749, 0.3480



15.2506, 0.3909, 0.1927



12.8775, 0.3867, 0.3507



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.



14.9522, 0.6118, 0.3524



24.4920, 0.6138, 0.3508



34.5219, 0.4763, 0.4600



11.6350, 0.3284, 0.3345



9.5311, 0.6095, 0.3542



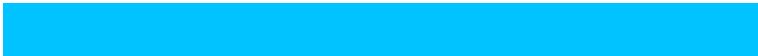
0.6122, 0.5704, 0.3853

Inverse Universe

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



28.1360, 0.2030, 0.2506



46.2492, 0.2026, 0.2495



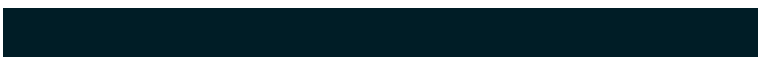
7.0375, 0.1587, 0.0913



12.2621, 0.2983, 0.3234



17.8579, 0.2033, 0.2518



1.0326, 0.2080, 0.2686

Previews

White Background



This preview shows how the Yxy color 14.9513, 0.6118, 0.3524 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 14.9513, 0.6118, 0.3524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

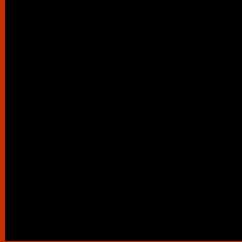
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9513, 0.6118, 0.3524

Background



This preview shows how black text looks on a background with the Yxy color 14.9513, 0.6118, 0.3524.



This preview shows how white text looks on a background with the Yxy color 14.9513, 0.6118, 0.3524.

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

14.9513, 0.6118, 0.3524

Protanopia

15.1408, 0.4286, 0.4751

Deuteranopia

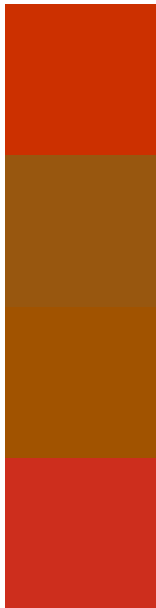
15.0189, 0.4698, 0.4652



Tritanopia

15.0532, 0.5816, 0.3290

Trichromacy



Original Color

14.9513, 0.6118, 0.3524

Protanomaly

13.5263, 0.5112, 0.4205

Deuteranomaly

13.7636, 0.5347, 0.4136

Tritanomaly

15.0218, 0.5985, 0.3409

Monochromacy



Original Color

14.9513, 0.6118, 0.3524

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 14.9513, 0.6118, 0.3524 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, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 48, 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, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 48, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.9513, 0.6118, 0.3524 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, 48, 0) }
```

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

```
.border{ border-color:rgb(204, 48, 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, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 48, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.9513, 0.6118, 0.3524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 48, 0) }
```

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

```
.background{ background-color: rgb(204, 48,  
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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