

Converting Colors

$Y_{xy}(15.9025, 0.5989, 0.3599)$

Have a look what the booklet for
Yxy(15.9025, 0.5989, 0.3599)
contains.

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Color

Yxy(15.8744, 0.5992, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	CC3A05
RGB	204, 58, 5
RGB Percent	80%, 23%, 2%
CMY	0.2000, 0.7726, 0.9804
CMYK	0.00, 0.72, 0.98, 0.20
HSL	16°, 95%, 41%
HSV	16°, 98%, 80%
XYZ	26.4441, 15.8744, 1.8138
YIQ	95.6120, 104.0290, 14.4690

Conversions

Conversions Part 2

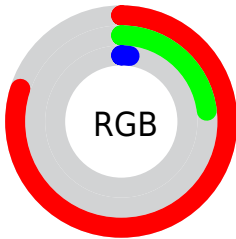
Format	Color
RYB	204, 77, 5
Decimal	13384197
CIELab	46.81, 55.68, 57.21
CIELCh	47, 79.837, 45.776
Yxy	15.8744, 0.5992, 0.3597
Android (android.graphics.Color)	4291574277 (0xFFCC3A05)
YUV	95.6120, -44.6717, 95.0563
Hunter-Lab	39.8427, 48.7480, 25.1907

Details

The Yxy color **15.8744, 0.5992, 0.3597** 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 **26.5292, 0.2009, 0.2419**, and the grayscale version is **11.6897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6209, 0.5346, 0.3739**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.5076, 0.6052, 0.3577**, and if you desaturate by 10%, it is **17.6710, 0.5717, 0.3678**.

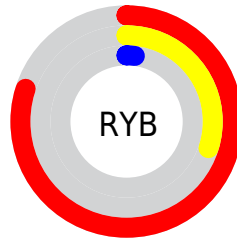
Distribution



Red (80%)

Green (23%)

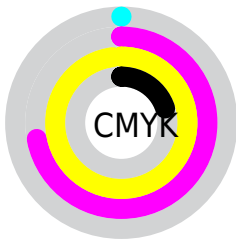
Blue (2%)



Red (80%)

Yellow (30%)

Blue (2%)

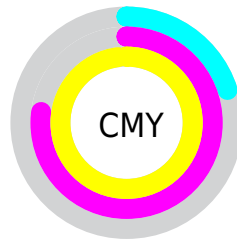


Cyan (0%)

Magenta (72%)

Yellow (98%)

Black (20%)



Cyan (20%)

Magenta (77%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8744, 0.5992, 0.3597 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 15.8744, 0.5992, 0.3597 by changing the saturation by 10% instead.


 15.8744, 0.5992,
0.3597


 15.8744, 0.5992,
0.3597


 228.5994, 0.4433,
0.3656


 9.4353, 0.6365,
0.3474


 36.3800, 0.5433,
0.3700


 5.0262, 0.6771,
0.3229


 51.2153, 0.5216,
0.3712

 2.2626, 0.7201,
0.2799

 69.6182, 0.5032,
0.3712

 0.7538, 0.7865,
0.2135

 91.9730, 0.4876,
0.3705


 0.0000, 1.0000,
0.0000

 118.6641, 0.4741,
0.3695


 0.0000, 0.0000,
0.0000


 150.0760, 0.4624,


0.3683

 186.5930, 0.4523,
0.3670


 15.8744, 0.5992,
0.3597


 15.8744, 0.5992,
0.3597


 15.5076, 0.6052,
0.3577

 17.6710, 0.5717,
0.3678

 20.0028, 0.5369,
0.3719

 22.9152, 0.4986,
0.3718

 26.4463, 0.4605,
0.3683

 30.6307, 0.4252,
0.3626

■ 35.5002, 0.3939,
0.3556

■ 41.0845, 0.3670,
0.3483

■ 47.4114, 0.3442,
0.3410

■ 54.5072, 0.3251,
0.3340

Harmonies

Analogous

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



15.8744, 0.5637, 0.2803



15.8744, 0.5992, 0.3597



15.8744, 0.5361, 0.4572

Triad

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



15.8744, 0.5992, 0.3597



15.8744, 0.1781, 0.5144



15.8744, 0.1569, 0.1309

Complementary

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



15.8744, 0.5992, 0.3597



26.5292, 0.2009, 0.2419

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.



15.8744, 0.1047, 0.1380



15.8744, 0.5992, 0.3597



15.8744, 0.1080, 0.3093

Square

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



15.8744, 0.5992, 0.3597



15.8744, 0.2930, 0.6285



15.8744, 0.0888, 0.1865



15.8744, 0.2611, 0.1546

Rectangle

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



15.8744, 0.5992, 0.3597



15.8744, 0.4634, 0.5336



15.8744, 0.0888, 0.1865



15.8744, 0.1346, 0.1297

Sweetspot

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



15.8754, 0.5992, 0.3597



66.2519, 0.3716, 0.3496



15.2887, 0.3945, 0.1957



13.3142, 0.3830, 0.3528



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.



15.8754, 0.5992, 0.3597



25.3831, 0.6073, 0.3560



36.0454, 0.4698, 0.4636



11.6915, 0.3283, 0.3352



9.8918, 0.6027, 0.3596



0.6380, 0.5633, 0.3910

Inverse Universe

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



26.5292, 0.2009, 0.2419



42.7997, 0.1995, 0.2383



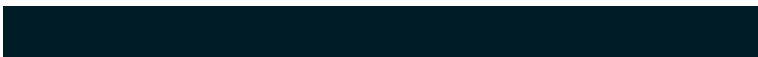
7.1012, 0.1594, 0.0919



12.2019, 0.2983, 0.3227



16.5675, 0.2003, 0.2409



0.9751, 0.2056, 0.2601

Previews

White Background



This preview shows how the Yxy color 15.8744, 0.5992, 0.3597 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 15.8744, 0.5992, 0.3597 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 15.8744, 0.5992, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 15.8744, 0.5992, 0.3597.



This preview shows how white text looks on a background with the Yxy color 15.8744, 0.5992, 0.3597.

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

15.8744, 0.5992, 0.3597

Protanopia

16.0858, 0.4307, 0.4761

Deuteranopia

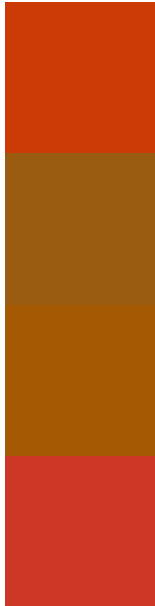
15.9708, 0.4699, 0.4651



Tritanopia

15.9030, 0.5611, 0.3280

Trichromacy



Original Color

15.8744, 0.5992, 0.3597

Protanomaly

14.5617, 0.5043, 0.4258

Deuteranomaly

15.0417, 0.5263, 0.4190

Tritanomaly

15.8451, 0.5828, 0.3436

Monochromacy



Original Color

15.8744, 0.5992, 0.3597

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.5444, 0.4394, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8744, 0.5992, 0.3597 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, 58, 5)` looks like.

```
.text, #text, p{  
    color:rgb(204, 58, 5)  
}
```

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, 58, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 58, 5) }
```

Border

The CSS property to change the border of an element to Yxy 15.8744, 0.5992, 0.3597 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, 58, 5) }
```

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

```
.border{ border-color:rgb(204, 58, 5) }
```

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

Here you see how a box with a 4 pixel rgb(204, 58, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 58, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 58, 5);  
box-shadow:4px 4px 4px 4px rgb(204, 58, 5)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.8744, 0.5992, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 58, 5) }
```

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

```
.background{ background-color: rgb(204, 58,  
5) }
```

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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