

Converting Colors

$Yxy(16.9318, 0.6110, 0.3495)$

Have a look what the booklet for
Yxy(16.9318, 0.6110, 0.3495)
contains.

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Color

Yxy(16.8955, 0.6107, 0.3498)

Conversions

Conversions Part 1

Format	Color
Hex	D83207
RGB	216, 50, 7
RGB Percent	85%, 20%, 3%
CMY	0.1530, 0.8038, 0.9725
CMYK	0.00, 0.77, 0.97, 0.15
HSL	12°, 94%, 44%
HSV	12°, 97%, 85%
XYZ	29.4971, 16.8955, 1.9079
YIQ	94.7320, 112.7390, 21.8190

Conversions

Conversions Part 2

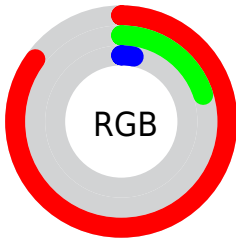
Format	Color
RYB	216, 61, 7
Decimal	14168583
CIELab	48.13, 62.11, 58.62
CIElCh	48, 85.400, 43.346
Yxy	16.8955, 0.6107, 0.3498
Android (android.graphics.Color)	4292358663 (0xFFD83207)
YUV	94.7320, -43.2519, 106.3520
Hunter-Lab	41.1041, 56.1627, 26.0209

Details

The Yxy color **16.8955, 0.6107, 0.3498** 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 **34.8862, 0.2069, 0.2632**, and the grayscale version is **11.4643, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7597, 0.5369, 0.3689**, and **6.5793, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.4332, 0.6181, 0.3474**, and if you desaturate by 10%, it is **18.7202, 0.5829, 0.3572**.

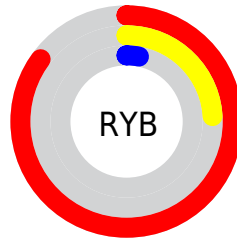
Distribution



Red (85%)

Green (20%)

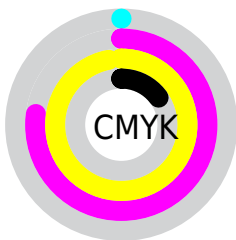
Blue (3%)



Red (85%)

Yellow (24%)

Blue (3%)

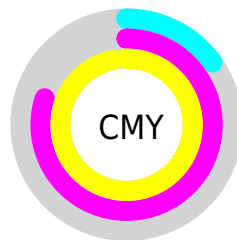


Cyan (0%)

Magenta (77%)

Yellow (97%)

Black (15%)



Cyan (15%)


Magenta (80%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8955, 0.6107, 0.3498 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 16.8955, 0.6107, 0.3498 by changing the saturation by 10% instead.


 16.8955, 0.6107,
0.3498


 16.8955, 0.6107,
0.3498


 234.5695, 0.4505,
0.3625


 10.1600, 0.6478,
0.3357


 38.1460, 0.5538,
0.3626


 5.5052, 0.6893,
0.3107

 53.4298, 0.5316,
0.3648

 2.5466, 0.7322,
0.2678

 72.3319, 0.5127,
0.3657

 0.8999, 0.7948,
0.2052

 95.2366, 0.4965,
0.3657


 0.0000, 1.0000,
0.0000


 122.5283, 0.4826,
0.3652

 0.0000, 0.0000,
0.0000


 154.5914, 0.4705,

0.3645


 191.8103, 0.4599,
0.3635


 16.8955, 0.6107,
0.3498


 16.8955, 0.6107,
0.3498


 16.4332, 0.6181,
0.3474

 18.7202, 0.5829,
0.3572

 21.2223, 0.5462,
0.3612

 24.4654, 0.5051,
0.3616

 28.5037, 0.4644,
0.3591

 33.3865, 0.4270,
0.3547

■ 39.1588, 0.3942,
0.3493

■ 45.8622, 0.3664,
0.3436

■ 53.5358, 0.3431,
0.3379

■ 62.2165, 0.3238,
0.3325

Harmonies

Analogous

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



16.8955, 0.5659, 0.2706



16.8955, 0.6107, 0.3498



16.8955, 0.5496, 0.4483

Triad

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



16.8955, 0.6107, 0.3498



16.8955, 0.1797, 0.5418



16.8955, 0.1457, 0.1247

Complementary

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



16.8955, 0.6107, 0.3498



34.8862, 0.2069, 0.2632

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.



16.8955, 0.0965, 0.1341



16.8955, 0.6107, 0.3498



16.8955, 0.1047, 0.3219

Square

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



16.8955, 0.6107, 0.3498



16.8955, 0.2987, 0.6424



16.8955, 0.0829, 0.1871



16.8955, 0.2474, 0.1462

Rectangle

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



16.8955, 0.6107, 0.3498



16.8955, 0.4737, 0.5263



16.8955, 0.0829, 0.1871



16.8955, 0.1245, 0.1242

Sweetspot

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



16.8965, 0.6107, 0.3498



64.1991, 0.3729, 0.3450



17.8143, 0.3773, 0.1864



12.8375, 0.3848, 0.3475



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.



16.8965, 0.6107, 0.3498



23.7586, 0.6194, 0.3464



37.4948, 0.4816, 0.4538



12.8307, 0.3286, 0.3339



9.8525, 0.6157, 0.3493



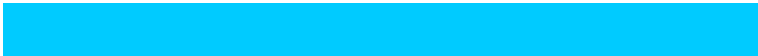
0.7148, 0.5824, 0.3758

Inverse Universe

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



34.8862, 0.2069, 0.2632



49.7076, 0.2056, 0.2601



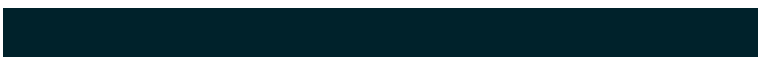
9.3469, 0.1628, 0.1039



13.6536, 0.2983, 0.3241



20.4561, 0.2061, 0.2619



1.3457, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 16.8955, 0.6107, 0.3498 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 16.8955, 0.6107, 0.3498 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 16.8955, 0.6107, 0.3498

Background



This preview shows how black text looks on a background with the Yxy color 16.8955, 0.6107, 0.3498.



This preview shows how white text looks on a background with the Yxy color 16.8955, 0.6107, 0.3498.

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

16.8955, 0.6107, 0.3498

Protanopia

17.0032, 0.4291, 0.4746

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.9900, 0.5852, 0.3298

Trichromacy



Original Color

16.8955, 0.6107, 0.3498

Protanomaly

15.1063, 0.5124, 0.4171

Deuteranomaly

15.6439, 0.5345, 0.4119

Tritanomaly

16.9699, 0.5991, 0.3396

Monochromacy



Original Color

16.8955, 0.6107, 0.3498

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4398, 0.4491, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8955, 0.6107, 0.3498 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(216, 50, 7)` looks like.

```
.text, #text, p{  
    color:rgb(216, 50, 7)  
}
```

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(216, 50, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 50, 7) }
```

Border

The CSS property to change the border of an element to Yxy 16.8955, 0.6107, 0.3498 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(216, 50, 7) }
```

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

```
.border{ border-color:rgb(216, 50, 7) }
```

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

Here you see how a box with a 4 pixel rgb(216, 50, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 50, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 50, 7);  
box-shadow:4px 4px 4px 4px rgb(216, 50, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8955, 0.6107, 0.3498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 50, 7) }
```

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

```
.background{ background-color: rgb(216, 50,  
7) }
```

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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