

Converting Colors

$Y_{xy}(13.5671, 0.6156, 0.3443)$

Have a look what the booklet for
Yxy(13.5671, 0.6156, 0.3443)
contains.

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Color

Yxy(13.6107, 0.6156, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	C72708
RGB	199, 39, 8
RGB Percent	78%, 15%, 3%
CMY	0.2196, 0.8470, 0.9684
CMYK	0.00, 0.80, 0.96, 0.22
HSL	10°, 92%, 41%
HSV	10°, 96%, 78%
XYZ	24.3215, 13.6107, 1.5764
YIQ	83.3060, 105.3110, 24.2790

Conversions

Conversions Part 2

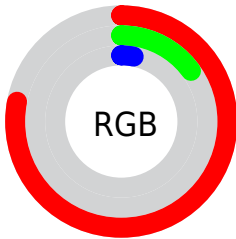
Format	Color
R _{YB}	199, 45, 8
Decimal	13051656
CIE Lab	43.67, 60.24, 54.13
CIE LCh	44, 80.988, 41.944
Yxy	13.6107, 0.6156, 0.3445
Android (android.graphics.Color)	4291241736 (0xFFC72708)
YUV	83.3060, -37.1259, 101.4636
Hunter-Lab	36.8927, 53.1138, 23.2915

Details

The Yxy color **13.6107, 0.6156, 0.3445** 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 **32.1867, 0.2113, 0.2785**, and the grayscale version is **8.7809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7006, 0.5480, 0.3609**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1894, 0.6247, 0.3422**, and if you desaturate by 10%, it is **15.0239, 0.5871, 0.3506**.

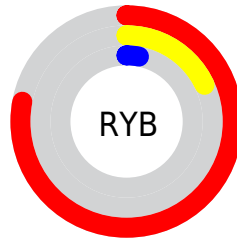
Distribution



Red (78%)

Green (15%)

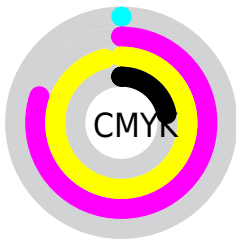
Blue (3%)



Red (78%)

Yellow (18%)

Blue (3%)

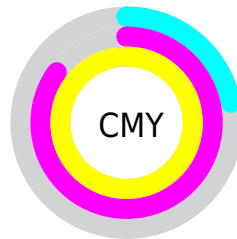


Cyan (0%)

Magenta (80%)

Yellow (96%)

Black (22%)



Cyan (22%)


Magenta (85%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6107, 0.6156, 0.3445 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 13.6107, 0.6156, 0.3445 by changing the saturation by 10% instead.


 13.6107, 0.6156,
0.3445


 13.6107, 0.6156,
0.3445


 214.7953, 0.4469,
0.3598


 7.8504, 0.6590,
0.3295


 32.3967, 0.5541,
0.3590


 3.9994, 0.7015,
0.2985

 46.1911, 0.5305,
0.3615


 1.6732, 0.7516,
0.2484

 63.4324, 0.5107,
0.3625

 0.4062, 0.8509,
0.1491

 84.5049, 0.4939,
0.3626


 0.0000, 1.0000,
0.0000


 109.7931, 0.4795,
0.3622


 0.0000, 0.0000,
0.0000


 139.6813, 0.4671,


0.3615

 174.5539, 0.4564,
0.3607


 13.6107, 0.6156,
0.3445


 13.6107, 0.6156,
0.3445

 13.1894, 0.6247,
0.3422

 15.0239, 0.5871,
0.3506

 17.0358, 0.5489,
0.3539

 19.7068, 0.5064,
0.3543

 23.0885, 0.4643,
0.3524

 27.2273, 0.4260,
0.3489

■ 32.1657, 0.3927,
0.3447

■ 37.9431, 0.3647,
0.3401

■ 44.5960, 0.3415,
0.3356

■ 52.1590, 0.3224,
0.3314

Harmonies

Analogous

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



13.6107, 0.5649, 0.2655



13.6107, 0.6156, 0.3445



13.6107, 0.5569, 0.4431

Triad

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



13.6107, 0.6156, 0.3445



13.6107, 0.1819, 0.5564



13.6107, 0.1403, 0.1221

Complementary

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



13.6107, 0.6156, 0.3445



32.1867, 0.2113, 0.2785

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.



13.6107, 0.0929, 0.1330



13.6107, 0.6156, 0.3445



13.6107, 0.1040, 0.3303

Square

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



13.6107, 0.6156, 0.3445



13.6107, 0.3027, 0.6471



13.6107, 0.0806, 0.1888



13.6107, 0.2399, 0.1423

Rectangle

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



13.6107, 0.6156, 0.3445



13.6107, 0.4793, 0.5207



13.6107, 0.0806, 0.1888



13.6107, 0.1198, 0.1221

Sweetspot

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



13.6115, 0.6156, 0.3445



62.7588, 0.3739, 0.3417



15.2315, 0.3610, 0.1778



12.5047, 0.3861, 0.3437



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.



13.6115, 0.6156, 0.3445



22.8714, 0.6265, 0.3408



28.7056, 0.4928, 0.4439



10.9103, 0.3286, 0.3328



8.5677, 0.6228, 0.3437



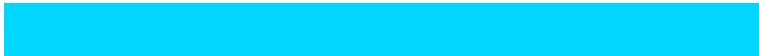
0.4954, 0.5865, 0.3725

Inverse Universe

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



32.1867, 0.2113, 0.2785



55.1273, 0.2098, 0.2754



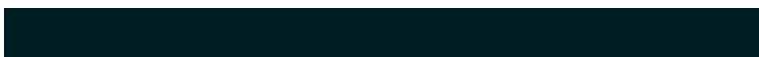
9.1911, 0.1673, 0.1190



11.7632, 0.2984, 0.3252



20.4647, 0.2103, 0.2770



1.0495, 0.2136, 0.2889

Previews

White Background



This preview shows how the Yxy color 13.6107, 0.6156, 0.3445 looks on a white background.

Color Contrast Check

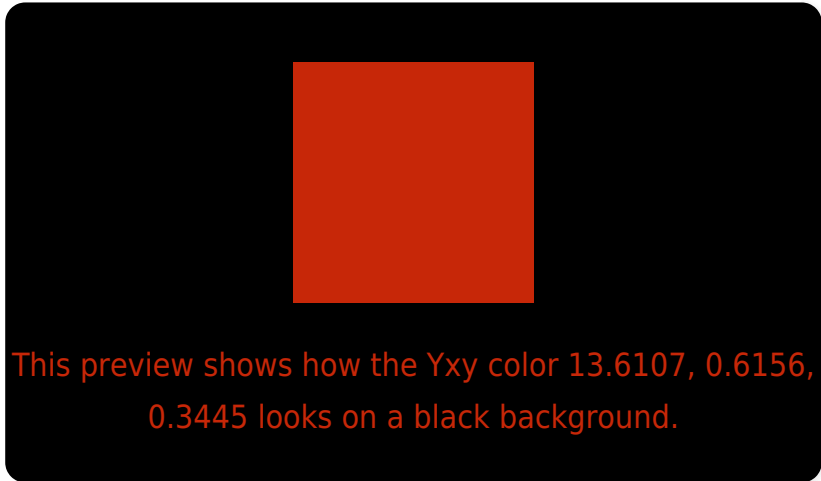
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

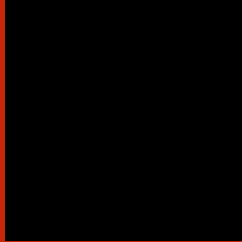
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6107, 0.6156, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 13.6107, 0.6156, 0.3445.



This preview shows how white text looks on a background with the Yxy color 13.6107, 0.6156, 0.3445.

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

13.6107, 0.6156, 0.3445

Protanopia

13.9596, 0.4256, 0.4725

Deuteranopia

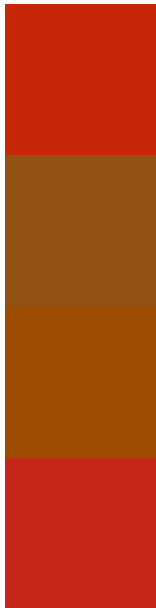
13.8292, 0.4700, 0.4650



Tritanopia

13.5926, 0.5965, 0.3305

Trichromacy



Original Color

13.6107, 0.6156, 0.3445

Protanomaly

12.1349, 0.5135, 0.4129

Deuteranomaly

12.3822, 0.5393, 0.4076

Tritanomaly

13.6029, 0.6055, 0.3371

Monochromacy



Original Color

13.6107, 0.6156, 0.3445

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.6598, 0.4533, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6107, 0.6156, 0.3445 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(199, 39, 8)` looks like.

```
.text, #text, p{  
  color:rgb(199, 39, 8)  
}
```

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(199, 39, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 39, 8) }
```

Border

The CSS property to change the border of an element to Yxy 13.6107, 0.6156, 0.3445 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(199, 39, 8) }
```

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

```
.border{ border-color:rgb(199, 39, 8) }
```

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

Here you see how a box with a 4 pixel rgb(199, 39, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 39, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 39, 8);  
box-shadow:4px 4px 4px 4px rgb(199, 39, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6107, 0.6156, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 39, 8) }
```

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

```
.background{ background-color: rgb(199, 39,  
8) }
```

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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