

Converting Colors

$Y_{xy}(13.6101, 0.6062, 0.3569)$

Have a look what the booklet for
Yxy(13.6101, 0.6062, 0.3569)
contains.

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Color

Yxy(13.6187, 0.6062, 0.3569)

Conversions

Conversions Part 1

Format	Color
Hex	C13200
RGB	193, 50, 0
RGB Percent	76%, 20%, 0%
CMY	0.2432, 0.8038, 1.0000
CMYK	0.00, 0.74, 1.00, 0.24
HSL	16°, 100%, 38%
HSV	16°, 100%, 76%
XYZ	23.1316, 13.6187, 1.4080
YIQ	87.0570, 101.2780, 14.7660

Conversions

Conversions Part 2

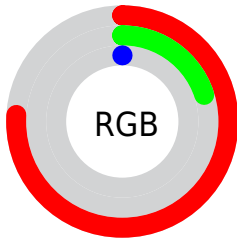
Format	Color
R_{YB}	193, 67, 0
Decimal	12661248
CIE Lab	43.68, 54.92, 55.95
CIE LCh	44, 78.407, 45.532
Yxy	13.6187, 0.6062, 0.3569
Android (android.graphics.Color)	4290851328 (0xFFC13200)
YUV	87.0570, -42.9191, 92.9120
Hunter-Lab	36.9035, 47.3048, 23.5703

Details

The Yxy color **13.6187, 0.6062, 0.3569** 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 **23.4863, 0.2007, 0.2424**, and the grayscale version is **9.6240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8439, 0.5462, 0.3694**, and **4.7458, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.6196, 0.6062, 0.3569**, and if you desaturate by 10%, it is **15.0875, 0.5798, 0.3651**.

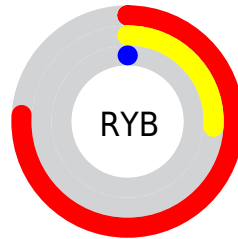
Distribution



Red (76%)

Green (20%)

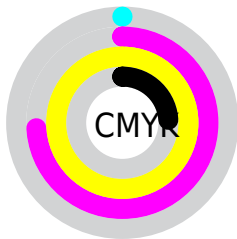
Blue (0%)



Red (76%)

Yellow (26%)

Blue (0%)

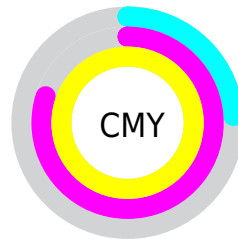


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (24%)



Cyan (24%)


Magenta (80%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6187, 0.6062, 0.3569 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 13.6187, 0.6062, 0.3569 by changing the saturation by 10% instead.


 13.6187, 0.6062,
0.3569


 13.6187, 0.6062,
0.3569


 214.8457, 0.4436,
0.3653


 7.8559, 0.6492,
0.3443


 32.4109, 0.5473,
0.3690


 4.0029, 0.6867,
0.3133

 46.2092, 0.5246,
0.3705


 1.6752, 0.7351,
0.2649

 63.4547, 0.5055,
0.3707

 0.4075, 0.8359,
0.1641

 84.5320, 0.4892,
0.3701

 0.0000, 1.0000,
0.0000


 109.8253, 0.4753,
0.3691


 0.0000, 0.0000,
0.0000


 139.7191, 0.4632,

0.3679


 174.5977, 0.4528,
0.3666

 13.6187, 0.6062,
0.3569

 13.6187, 0.6062,
0.3569


 13.6196, 0.6062,
0.3569

 15.0875, 0.5798,
0.3651

 17.0171, 0.5463,
0.3701

 19.4545, 0.5082,
0.3709

 22.4345, 0.4697,
0.3682

 25.9887, 0.4334,
0.3631

■ 30.1461, 0.4011,
0.3566

■ 34.9337, 0.3731,
0.3495

■ 40.3768, 0.3493,
0.3423

■ 46.4991, 0.3294,
0.3355

Harmonies

Analogous

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



13.6187, 0.5705, 0.2772



13.6187, 0.6062, 0.3569



13.6187, 0.5422, 0.4578

Triad

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



13.6187, 0.6062, 0.3569



13.6187, 0.1742, 0.5234



13.6187, 0.1526, 0.1269

Complementary

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



13.6187, 0.6062, 0.3569



23.4863, 0.2007, 0.2424

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.



13.6187, 0.1004, 0.1340



13.6187, 0.6062, 0.3569



13.6187, 0.1035, 0.3091

Square

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



13.6187, 0.6062, 0.3569



13.6187, 0.2908, 0.6387



13.6187, 0.0846, 0.1829



13.6187, 0.2582, 0.1505

Rectangle

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



13.6187, 0.6062, 0.3569



13.6187, 0.4650, 0.5350



13.6187, 0.0846, 0.1829



13.6187, 0.1303, 0.1257

Sweetspot

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



13.6196, 0.6062, 0.3569



62.1426, 0.3743, 0.3498



13.3730, 0.3965, 0.1958



12.5247, 0.3857, 0.3529



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6196, 0.6062, 0.3569



24.0599, 0.6087, 0.3549



31.5095, 0.4719, 0.4635



10.4929, 0.3283, 0.3350



9.1712, 0.6039, 0.3587



0.5123, 0.5586, 0.3946

Inverse Universe

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



23.4863, 0.2007, 0.2424



41.6476, 0.2003, 0.2410



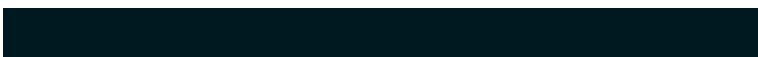
5.9842, 0.1579, 0.0884



10.9722, 0.2984, 0.3229



15.7572, 0.2010, 0.2437



0.7872, 0.2069, 0.2649

Previews

White Background



This preview shows how the Yxy color 13.6187, 0.6062, 0.3569 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 13.6187, 0.6062, 0.3569 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 13.6187, 0.6062, 0.3569

Background



This preview shows how black text looks on a background with the Yxy color 13.6187, 0.6062, 0.3569.



This preview shows how white text looks on a background with the Yxy color 13.6187, 0.6062, 0.3569.

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

13.6187, 0.6062, 0.3569

Protanopia

13.9430, 0.4282, 0.4764

Deuteranopia

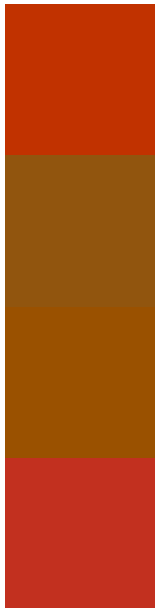
13.7490, 0.4686, 0.4661



Tritanopia

13.7158, 0.5707, 0.3289

Trichromacy



Original Color

13.6187, 0.6062, 0.3569

Protanomaly

12.5484, 0.5069, 0.4239

Deuteranomaly

12.7549, 0.5312, 0.4164

Tritanomaly

13.6822, 0.5898, 0.3426

Monochromacy



Original Color

13.6187, 0.6062, 0.3569

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.6090, 0.4482, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6187, 0.6062, 0.3569 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(193, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(193, 50, 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(193, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 50, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.6187, 0.6062, 0.3569 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(193, 50, 0) }
```

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

```
.border{ border-color:rgb(193, 50, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(193, 50, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.6187, 0.6062, 0.3569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 50, 0) }
```

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

```
.background{ background-color: rgb(193, 50,  
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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