

Converting Colors

$Y_{xy}(13.5855, 0.6003, 0.3616)$

Have a look what the booklet for
Yxy(13.5855, 0.6003, 0.3616)
contains.

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Color

Yxy(13.5855, 0.6003, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	BE3600
RGB	190, 54, 0
RGB Percent	75%, 21%, 0%
CMY	0.2549, 0.7882, 1.0000
CMYK	0.00, 0.72, 1.00, 0.25
HSL	17°, 100%, 37%
HSV	17°, 100%, 75%
XYZ	22.5536, 13.5855, 1.4314
YIQ	88.5080, 98.3900, 12.0380

Conversions

Conversions Part 2

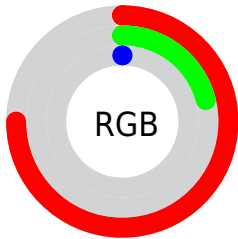
Format	Color
R_{YB}	190, 75, 0
Decimal	12465664
CIE Lab	43.63, 52.51, 55.61
CIE LCh	44, 76.487, 46.642
Yxy	13.5855, 0.6003, 0.3616
Android (android.graphics.Color)	4290655744 (0xFFBE3600)
YUV	88.5080, -43.6344, 89.0085
Hunter-Lab	36.8585, 44.7211, 23.4984

Details

The Yxy color **13.5855, 0.6003, 0.3616** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **21.3207, 0.1982, 0.2335**, and the grayscale version is **9.9592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2839, 0.5426, 0.3724**, and **4.5120, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.5865, 0.6003, 0.3616**, and if you desaturate by 10%, it is **15.0814, 0.5738, 0.3699**.

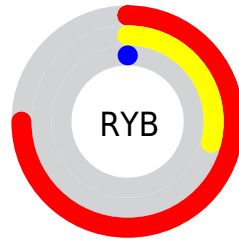
Distribution



Red (75%)

Green (21%)

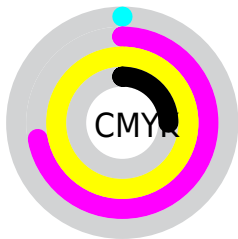
Blue (0%)



Red (75%)

Yellow (29%)

Blue (0%)

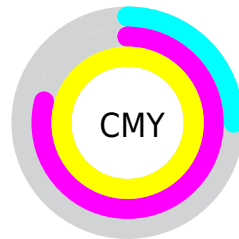


Cyan (0%)

Magenta (72%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5855, 0.6003, 0.3616 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 13.5855, 0.6003, 0.3616 by changing the saturation by 10% instead.


 13.5855, 0.6003,
0.3616


 13.5855, 0.6003,
0.3616


 214.6367, 0.4407,
0.3666

 7.8329, 0.6426,
0.3500


 32.3517, 0.5424,
0.3723


 3.9882, 0.6799,
0.3201

 46.1342, 0.5201,
0.3733

 1.6670, 0.7276,
0.2724

 63.3621, 0.5013,
0.3731

 0.4021, 0.8298,
0.1702

 84.4198, 0.4853,
0.3722


 0.0000, 1.0000,
0.0000


 109.6917, 0.4717,
0.3710


 0.0000, 0.0000,
0.0000


 139.5623, 0.4599,

0.3696


 174.4158, 0.4497,
0.3681


 13.5855, 0.6003,
0.3616


 13.5855, 0.6003,
0.3616


 13.5865, 0.6003,
0.3616

 15.0814, 0.5738,
0.3699

 17.0030, 0.5410,
0.3748

 19.3923, 0.5040,
0.3752

 22.2799, 0.4666,
0.3720

 25.6935, 0.4314,
0.3663

■ 29.6586, 0.3998,
0.3591

■ 34.1991, 0.3724,
0.3514

■ 39.3372, 0.3491,
0.3436

■ 45.0941, 0.3293,
0.3361

Harmonies

Analogous

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



13.5855, 0.5686, 0.2819



13.5855, 0.6003, 0.3616



13.5855, 0.5361, 0.4620

Triad

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



13.5855, 0.6003, 0.3616



13.5855, 0.1740, 0.5104



13.5855, 0.1581, 0.1301

Complementary

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



13.5855, 0.6003, 0.3616



21.3207, 0.1982, 0.2335

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.



13.5855, 0.1045, 0.1361



13.5855, 0.6003, 0.3616



13.5855, 0.1055, 0.3039

Square

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



13.5855, 0.6003, 0.3616



13.5855, 0.2886, 0.6309



13.5855, 0.0877, 0.1831



13.5855, 0.2646, 0.1547

Rectangle

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



13.5855, 0.6003, 0.3616



13.5855, 0.4611, 0.5389



13.5855, 0.0877, 0.1831



13.5855, 0.1353, 0.1286

Sweetspot

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



13.5865, 0.6003, 0.3616



61.5516, 0.3737, 0.3518



12.7290, 0.4086, 0.2024



12.7209, 0.3850, 0.3551



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.



13.5865, 0.6003, 0.3616



24.2584, 0.6029, 0.3594



32.3881, 0.4637, 0.4700



9.9663, 0.3281, 0.3356



9.1520, 0.5979, 0.3634



0.4740, 0.5493, 0.4021

Inverse Universe

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



21.3207, 0.1982, 0.2335



38.1930, 0.1978, 0.2319



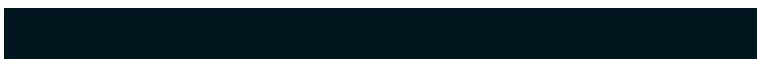
5.3149, 0.1562, 0.0823



10.3386, 0.2985, 0.3223



14.3165, 0.1986, 0.2349



0.6669, 0.2056, 0.2601

Previews

White Background



This preview shows how the Yxy color 13.5855, 0.6003, 0.3616 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 13.5855, 0.6003, 0.3616 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 13.5855, 0.6003, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 13.5855, 0.6003, 0.3616.



This preview shows how white text looks on a background with the Yxy color 13.5855, 0.6003, 0.3616.

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

13.5855, 0.6003, 0.3616

Protanopia

13.7367, 0.4303, 0.4759

Deuteranopia

13.7490, 0.4686, 0.4661



Tritanopia

13.6055, 0.5601, 0.3278

Trichromacy



Original Color

13.5855, 0.6003, 0.3616

Protanomaly

12.6139, 0.5044, 0.4269

Deuteranomaly

12.8619, 0.5253, 0.4211

Tritanomaly

13.5538, 0.5832, 0.3445

Monochromacy



Original Color

13.5855, 0.6003, 0.3616

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.8999, 0.4421, 0.3669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5855, 0.6003, 0.3616 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(190, 54, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 54, 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(190, 54, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 54, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.5855, 0.6003, 0.3616 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(190, 54, 0) }
```

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

```
.border{ border-color:rgb(190, 54, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 54, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 54, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 54, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 54, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.5855, 0.6003, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 54, 0) }
```

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

```
.background{ background-color: rgb(190, 54,  
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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