

Converting Colors

$Y_{xy}(13.6667, 0.5766, 0.3481)$

Have a look what the booklet for
Yxy(13.6667, 0.5766, 0.3481)
contains.

Yxy(13.6667, 0.5766, 0.3481)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.6667, 0.5766, 0.3481)

Conversions

Conversions Part 1

Format	Color
Hex	BD3722
RGB	189, 55, 34
RGB Percent	74%, 22%, 13%
CMY	0.2589, 0.7842, 0.8668
CMYK	0.00, 0.71, 0.82, 0.26
HSL	8°, 70%, 44%
HSV	8°, 82%, 74%
XYZ	22.6378, 13.6667, 2.9563
YIQ	92.6720, 86.6050, 21.8770

Conversions

Conversions Part 2

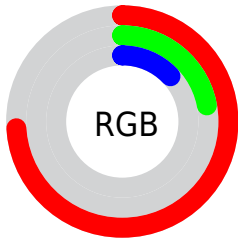
Format	Color
R_{YB}	189, 58, 34
Decimal	12400418
CIE _{Lab}	43.75, 52.39, 42.91
CIE _{LCh}	44, 67.715, 39.320
Yxy	13.6667, 0.5766, 0.3481
Android (android.graphics.Color)	4290590498 (0xFFBD3722)
YUV	92.6720, -28.9253, 84.4797
Hunter-Lab	36.9685, 44.6103, 21.1366

Details

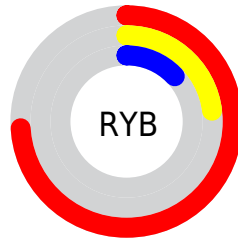
The Yxy color **13.6667, 0.5766, 0.3481** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **31.9908, 0.2189, 0.2938**, and the grayscale version is **10.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4414, 0.5176, 0.3557**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2829, 0.6094, 0.3436**, and if you desaturate by 10%, it is **15.6255, 0.5354, 0.3501**.

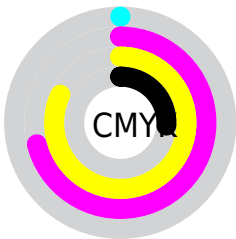
Distribution



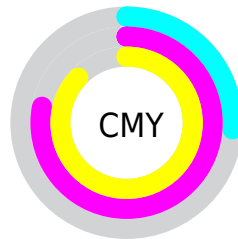
- Red (74%)
- Green (22%)
- Blue (13%)



- Red (74%)
- Yellow (23%)
- Blue (13%)



- Cyan (0%)
- Magenta (71%)
- Yellow (82%)
- Black (26%)



- Cyan (26%)
- Magenta (78%)
- Yellow (87%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6667, 0.5766, 0.3481 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 13.6667, 0.5766, 0.3481 by changing the saturation by 10% instead.


 13.6667, 0.5766,
0.3481


 13.6667, 0.5766,
0.3481

215.1474, 0.4241,
0.3531


 7.8892, 0.6171,
0.3370


 32.4965, 0.5178,
0.3560


 4.0241, 0.6791,
0.3209

 46.3175, 0.4965,
0.3569

 1.6871, 0.7265,
0.2735

 63.5886, 0.4789,
0.3569

 0.4153, 0.8265,
0.1735

 84.6940, 0.4642,
0.3564


 0.0000, 1.0000,
0.0000

 110.0182, 0.4518,
0.3557

 0.0000, 0.0000,
0.0000


 139.9456, 0.4412,


0.3548


 174.8605, 0.4320,
0.3540


 13.6667, 0.5766,
0.3481

 13.6667, 0.5766,
0.3481


 12.2829, 0.6094,
0.3436

 15.6255, 0.5354,
0.3501

 11.5409, 0.6280,
0.3396

 18.2111, 0.4917,
0.3497

 21.4722, 0.4501,
0.3475

 25.4521, 0.4131,
0.3443

 30.1904, 0.3815,
0.3406

■ 35.7236, 0.3552,
0.3368

■ 42.0860, 0.3336,
0.3331

■ 49.3100, 0.3159,
0.3297

■ 57.4261, 0.3014,
0.3265

Harmonies

Analogous

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



13.6667, 0.5166, 0.2721



13.6667, 0.5766, 0.3481



13.6667, 0.5388, 0.4343

Triad

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



13.6667, 0.5766, 0.3481



13.6667, 0.2144, 0.5262



13.6667, 0.1548, 0.1438

Complementary

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



13.6667, 0.5766, 0.3481



31.9908, 0.2189, 0.2938

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.



13.6667, 0.1127, 0.1588



13.6667, 0.5766, 0.3481



13.6667, 0.1349, 0.3495

Square

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



13.6667, 0.5766, 0.3481



13.6667, 0.3276, 0.5954



13.6667, 0.1050, 0.2186



13.6667, 0.2416, 0.1601

Rectangle

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



13.6667, 0.5766, 0.3481



13.6667, 0.4800, 0.5003



13.6667, 0.1050, 0.2186



13.6667, 0.1365, 0.1450

Sweetspot

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



13.6675, 0.5766, 0.3481



60.4819, 0.3635, 0.3381



14.7982, 0.3494, 0.1805



12.2592, 0.3728, 0.3394



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



13.6675, 0.5766, 0.3481



20.7408, 0.6261, 0.3391



27.4744, 0.4744, 0.4412



9.7398, 0.3285, 0.3322



7.8333, 0.6264, 0.3408



0.3754, 0.5897, 0.3700

Inverse Universe

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



31.9908, 0.2189, 0.2938



53.8039, 0.2129, 0.2856



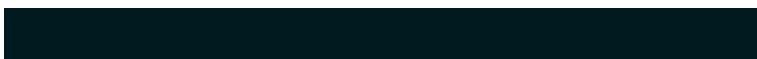
11.4631, 0.1817, 0.1535



10.5825, 0.2985, 0.3258



20.2563, 0.2128, 0.2860



0.8554, 0.2159, 0.2972

Previews

White Background



This preview shows how the Yxy color 13.6667, 0.5766, 0.3481 looks on a white background.

Color Contrast Check

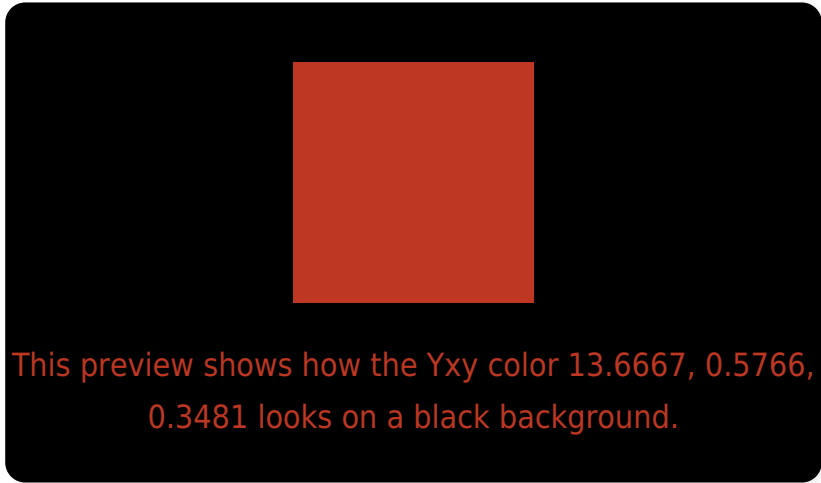
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6667, 0.5766, 0.3481

Background



This preview shows how black text looks on a background with the Yxy color 13.6667, 0.5766, 0.3481.



This preview shows how white text looks on a background with the Yxy color 13.6667, 0.5766, 0.3481.

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

13.6667, 0.5766, 0.3481

Protanopia

13.8189, 0.4063, 0.4433

Deuteranopia

13.7995, 0.4598, 0.4549



Tritanopia

13.7692, 0.5521, 0.3277

Trichromacy



Original Color

13.6667, 0.5766, 0.3481

Protanomaly

12.6624, 0.4774, 0.4010

Deuteranomaly

12.9321, 0.5114, 0.4078

Tritanomaly

13.7907, 0.5627, 0.3364

Monochromacy



Original Color

13.6667, 0.5766, 0.3481

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.6490, 0.4148, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6667, 0.5766, 0.3481 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(189, 55, 34)` looks like.

```
.text, #text, p{  
    color:rgb(189, 55, 34)  
}
```

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(189, 55, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 55, 34) }
```

Border

The CSS property to change the border of an element to Yxy 13.6667, 0.5766, 0.3481 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(189, 55, 34) }
```

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

```
.border{ border-color:rgb(189, 55, 34) }
```

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

Here you see how a box with a 4 pixel rgb(189, 55, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 55, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 55, 34);  
box-shadow:4px 4px 4px 4px rgb(189, 55,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6667, 0.5766, 0.3481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 55, 34) }
```

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

```
.background{ background-color: rgb(189, 55,  
34) }
```

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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