

Converting Colors

$Y_{xy}(13.6717, 0.5835, 0.3471)$

Have a look what the booklet for
Yxy(13.6717, 0.5835, 0.3471)
contains.

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Color

Yxy(13.6313, 0.5841, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	BF341F
RGB	191, 52, 31
RGB Percent	75%, 20%, 12%
CMY	0.2510, 0.7960, 0.8785
CMYK	0.00, 0.73, 0.84, 0.25
HSL	8°, 72%, 44%
HSV	8°, 84%, 75%
XYZ	22.9586, 13.6313, 2.7160
YIQ	91.1670, 89.5850, 22.9370

Conversions

Conversions Part 2

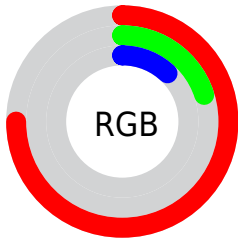
Format	Color
R_{YB}	191, 55, 31
Decimal	12530719
CIE _{Lab}	43.70, 54.07, 44.49
CIE _{LCh}	44, 70.019, 39.453
Yxy	13.6313, 0.5841, 0.3468
Android (android.graphics.Color)	4290720799 (0xFFBF341F)
YUV	91.1670, -29.6623, 87.5535
Hunter-Lab	36.9206, 46.3869, 21.4828

Details

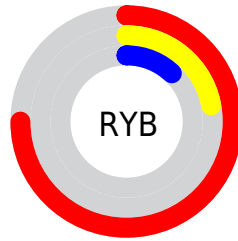
The Yxy color **13.6313, 0.5841, 0.3468** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **32.7783, 0.2183, 0.2941**, and the grayscale version is **10.5579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5352, 0.5245, 0.3557**, and **4.6671, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.3292, 0.6148, 0.3420**, and if you desaturate by 10%, it is **15.5148, 0.5439, 0.3492**.

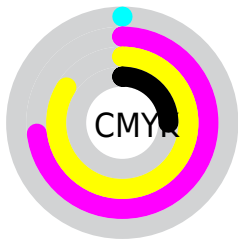
Distribution



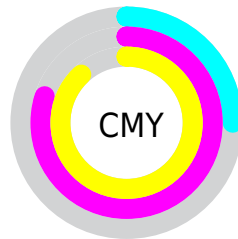
- Red (75%)
- Green (20%)
- Blue (12%)



- Red (75%)
- Yellow (22%)
- Blue (12%)



- Cyan (0%)
- Magenta (73%)
- Yellow (84%)
- Black (25%)





- Cyan (25%)
- Magenta (80%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.6313, 0.5841, 0.3468 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 13.6313, 0.5841, 0.3468 by changing the saturation by 10% instead.


 13.6313, 0.5841,
0.3468


 13.6313, 0.5841,
0.3468


214.9249, 0.4280,
0.3537


 7.8647, 0.6248,
0.3347


 32.4334, 0.5244,
0.3558


 4.0085, 0.6841,
0.3159

 46.2376, 0.5025,
0.3570


 1.6783, 0.7323,
0.2677

 63.4899, 0.4844,
0.3572

 0.4096, 0.8329,
0.1671

 84.5745, 0.4693,
0.3569

 0.0000, 1.0000,
0.0000


 109.8759, 0.4566,
0.3562


 0.0000, 0.0000,
0.0000

 139.7786, 0.4456,


0.3554

 174.6667, 0.4362,
0.3546


 13.6313, 0.5841,
0.3468


 13.6313, 0.5841,
0.3468


 12.3292, 0.6148,
0.3420


 15.5148, 0.5439,
0.3492

 11.7752, 0.6286,
0.3390

 18.0355, 0.5001,
0.3492

 21.2451, 0.4577,
0.3474

 25.1895, 0.4195,
0.3445

 29.9104, 0.3868,
0.3409

■ 35.4466, 0.3596,
0.3372

■ 41.8340, 0.3371,
0.3336

■ 49.1066, 0.3187,
0.3302

■ 57.2965, 0.3037,
0.3271

Harmonies

Analogous

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



13.6313, 0.5238, 0.2701



13.6313, 0.5841, 0.3468



13.6313, 0.5434, 0.4348

Triad

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



13.6313, 0.5841, 0.3468



13.6313, 0.2099, 0.5337



13.6313, 0.1513, 0.1396

Complementary

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



13.6313, 0.5841, 0.3468



32.7783, 0.2183, 0.2941

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.



13.6313, 0.1085, 0.1543



13.6313, 0.5841, 0.3468



13.6313, 0.1298, 0.3486

Square

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



13.6313, 0.5841, 0.3468



13.6313, 0.3251, 0.6045



13.6313, 0.1004, 0.2142



13.6313, 0.2397, 0.1563

Rectangle

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



13.6313, 0.5841, 0.3468



13.6313, 0.4825, 0.5037



13.6313, 0.1004, 0.2142



13.6313, 0.1327, 0.1407

Sweetspot

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



13.6321, 0.5841, 0.3468



61.7890, 0.3636, 0.3378



15.0445, 0.3463, 0.1769



12.7751, 0.3730, 0.3391



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.



13.6321, 0.5841, 0.3468



20.9001, 0.6303, 0.3377



27.0461, 0.4811, 0.4386



9.7333, 0.3285, 0.3321



7.8082, 0.6270, 0.3403



0.3725, 0.5910, 0.3689

Inverse Universe

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



32.7783, 0.2183, 0.2941



55.2420, 0.2128, 0.2861



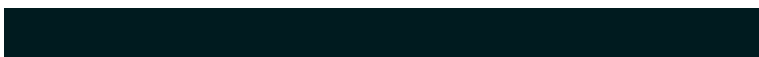
11.7613, 0.1809, 0.1539



10.5896, 0.2985, 0.3259



20.4494, 0.2132, 0.2874



0.8613, 0.2162, 0.2983

Previews

White Background



This preview shows how the Yxy color 13.6313, 0.5841, 0.3468 looks on a white background.

Color Contrast Check

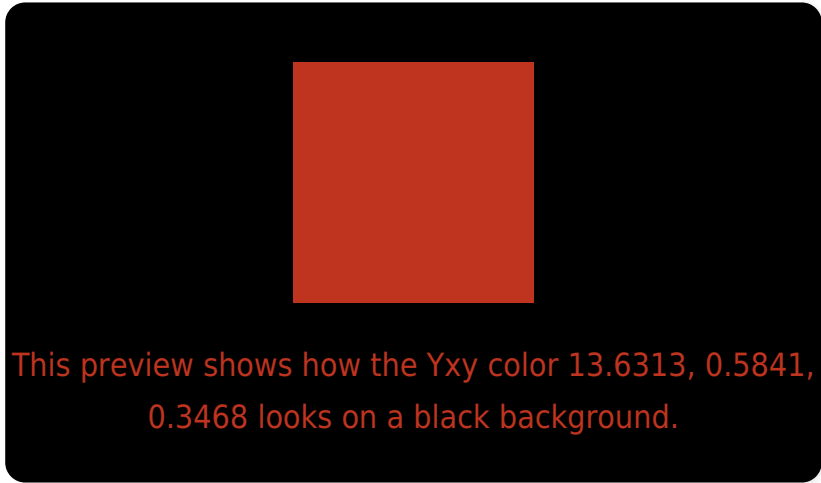
Large Text (above 18pt) WCAG AA ✓ Pass

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

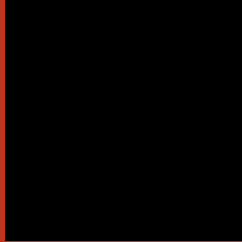
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.6313, 0.5841, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 13.6313, 0.5841, 0.3468.



This preview shows how white text looks on a background with the Yxy color 13.6313, 0.5841, 0.3468.

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

13.6313, 0.5841, 0.3468

Protanopia

13.7955, 0.4095, 0.4481

Deuteranopia

13.8583, 0.4649, 0.4585



Tritanopia

13.7267, 0.5623, 0.3288

Trichromacy



Original Color

13.6313, 0.5841, 0.3468

Protanomaly

12.4831, 0.4825, 0.4031

Deuteranomaly

12.8574, 0.5181, 0.4092

Tritanomaly

13.7560, 0.5710, 0.3360

Monochromacy



Original Color

13.6313, 0.5841, 0.3468

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.2495, 0.4205, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.6313, 0.5841, 0.3468 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(191, 52, 31)` looks like.

```
.text, #text, p{  
    color:rgb(191, 52, 31)  
}
```

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(191, 52, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 52, 31) }
```

Border

The CSS property to change the border of an element to Yxy 13.6313, 0.5841, 0.3468 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(191, 52, 31) }
```

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

```
.border{ border-color:rgb(191, 52, 31) }
```

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

Here you see how a box with a 4 pixel rgb(191, 52, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 52, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 52, 31);  
box-shadow:4px 4px 4px 4px rgb(191, 52,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 13.6313, 0.5841, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 52, 31) }
```

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

```
.background{ background-color: rgb(191, 52,  
31) }
```

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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