

Converting Colors

$Yxy(12.4893, 0.5998, 0.3491)$

Have a look what the booklet for
Yxy(12.4893, 0.5998, 0.3491)
contains.

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Color

Yxy(12.5593, 0.6001, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	BB2E11
RGB	187, 46, 17
RGB Percent	73%, 18%, 7%
CMY	0.2667, 0.8195, 0.9336
CMYK	0.00, 0.75, 0.91, 0.27
HSL	10°, 83%, 40%
HSV	10°, 91%, 73%
XYZ	21.5708, 12.5593, 1.8152
YIQ	84.8530, 93.3450, 20.8730

Conversions

Conversions Part 2

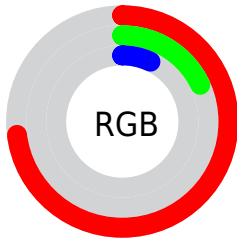
Format	Color
R_{YB}	187, 52, 17
Decimal	12267025
CIE Lab	42.09, 54.59, 49.07
CIE LCh	42, 73.400, 41.949
Yxy	12.5593, 0.6001, 0.3494
Android (android.graphics.Color)	4290457105 (0xFFBB2E11)
YUV	84.8530, -33.4515, 89.5829
Hunter-Lab	35.4391, 46.6296, 21.7705

Details

The Yxy color **12.5593, 0.6001, 0.3494** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **28.1333, 0.2123, 0.2789**, and the grayscale version is **9.1092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5914, 0.5383, 0.3612**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.5958, 0.6227, 0.3437**, and if you desaturate by 10%, it is **14.0829, 0.5660, 0.3542**.

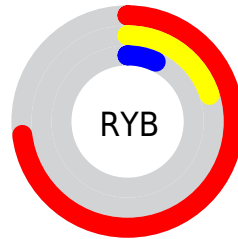
Distribution



Red (73%)

Green (18%)

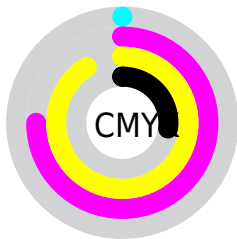
Blue (7%)



Red (73%)

Yellow (20%)

Blue (7%)

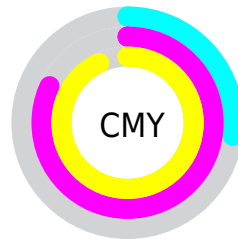


Cyan (0%)

Magenta (75%)

Yellow (91%)

Black (27%)



Cyan (27%)


Magenta (82%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5593, 0.6001, 0.3494 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 12.5593, 0.6001, 0.3494 by changing the saturation by 10% instead.


 12.5593, 0.6001,
0.3494


 12.5593, 0.6001,
0.3494


208.0736, 0.4358,
0.3584


 7.1258, 0.6436,
0.3358


 30.5097, 0.5383,
0.3608


 3.5409, 0.6922,
0.3078

 43.7955, 0.5153,
0.3623

 1.4202, 0.7438,
0.2562

 60.4674, 0.4961,
0.3626

 0.2316, 0.8844,
0.1156

 80.9099, 0.4801,
0.3622

 0.0000, 1.0000,
0.0000


 105.5074, 0.4664,
0.3615


 0.0000, 0.0000,
0.0000


 134.6442, 0.4547,


0.3605

 168.7048, 0.4446,
0.3595

 12.5593, 0.6001,
0.3494

 12.5593, 0.6001,
0.3494


 11.5958, 0.6227,
0.3437

 14.0829, 0.5660,
0.3542

 16.1449, 0.5252,
0.3559

 18.7917, 0.4829,
0.3549

 22.0636, 0.4430,
0.3519

 25.9978, 0.4077,
0.3477

■ 30.6280, 0.3775,
0.3430

■ 35.9859, 0.3522,
0.3383

■ 42.1012, 0.3314,
0.3337

■ 49.0018, 0.3142,
0.3294

Harmonies

Analogous

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



12.5593, 0.5489, 0.2710



12.5593, 0.6001, 0.3494



12.5593, 0.5485, 0.4446

Triad

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



12.5593, 0.6001, 0.3494



12.5593, 0.1918, 0.5378



12.5593, 0.1484, 0.1308

Complementary

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



12.5593, 0.6001, 0.3494



28.1333, 0.2123, 0.2789

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.



12.5593, 0.1016, 0.1422



12.5593, 0.6001, 0.3494



12.5593, 0.1146, 0.3324

Square

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



12.5593, 0.6001, 0.3494



12.5593, 0.3094, 0.6263



12.5593, 0.0899, 0.1978



12.5593, 0.2448, 0.1506

Rectangle

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



12.5593, 0.6001, 0.3494



12.5593, 0.4798, 0.5202



12.5593, 0.0899, 0.1978



12.5593, 0.1282, 0.1309

Sweetspot

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



12.5601, 0.6001, 0.3494



58.0669, 0.3681, 0.3414



13.4547, 0.3628, 0.1813



12.0953, 0.3773, 0.3430



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.



12.5601, 0.6001, 0.3494



20.5365, 0.6248, 0.3421



26.6530, 0.4815, 0.4484



9.7930, 0.3284, 0.3330



8.0645, 0.6210, 0.3451



0.3987, 0.5790, 0.3785

Inverse Universe

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



28.1333, 0.2123, 0.2789



48.1204, 0.2090, 0.2725



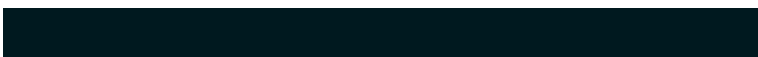
8.5544, 0.1704, 0.1254



10.5244, 0.2985, 0.3250



18.7231, 0.2095, 0.2742



0.8079, 0.2135, 0.2887

Previews

White Background



This preview shows how the Yxy color 12.5593, 0.6001, 0.3494 looks on a white background.

Color Contrast Check

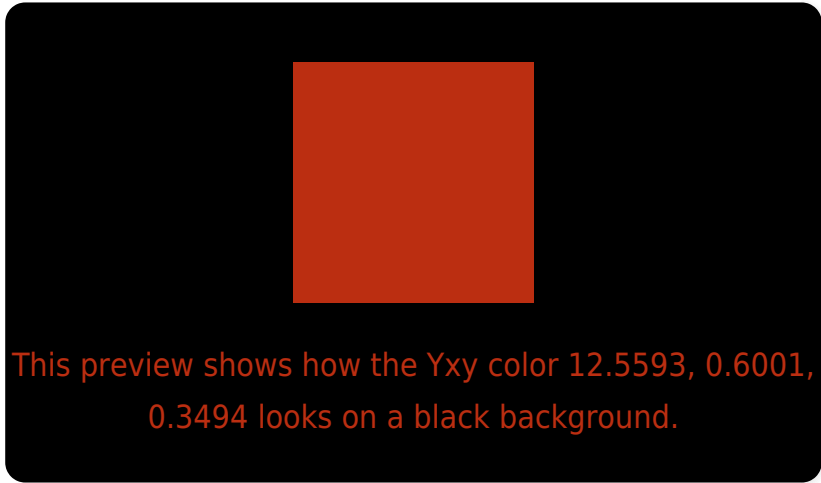
Large Text (above 18pt) WCAG AA ✓ Pass

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

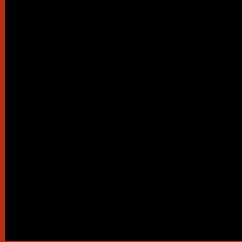
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5593, 0.6001, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 12.5593, 0.6001, 0.3494.



This preview shows how white text looks on a background with the Yxy color 12.5593, 0.6001, 0.3494.

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

12.5593, 0.6001, 0.3494

Protanopia

12.9118, 0.4221, 0.4659

Deuteranopia

12.6964, 0.4702, 0.4648



Tritanopia

12.4744, 0.5751, 0.3289

Trichromacy



Original Color

12.5593, 0.6001, 0.3494

Protanomaly

11.5305, 0.4999, 0.4137

Deuteranomaly

11.7105, 0.5305, 0.4119

Tritanomaly

12.4817, 0.5869, 0.3379

Monochromacy



Original Color

12.5593, 0.6001, 0.3494

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

8.9703, 0.4353, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5593, 0.6001, 0.3494 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(187, 46, 17)` looks like.

```
.text, #text, p{  
    color:rgb(187, 46, 17)  
}
```

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(187, 46, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 46, 17) }
```

Border

The CSS property to change the border of an element to Yxy 12.5593, 0.6001, 0.3494 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(187, 46, 17) }
```

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

```
.border{ border-color:rgb(187, 46, 17) }
```

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

Here you see how a box with a 4 pixel rgb(187, 46, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 46, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 46, 17);  
box-shadow:4px 4px 4px 4px rgb(187, 46,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5593, 0.6001, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 46, 17) }
```

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

```
.background{ background-color: rgb(187, 46,  
17) }
```

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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