

Converting Colors

$Y_{xy}(12.7231, 0.6056, 0.3432)$

Have a look what the booklet for
Yxy(12.7231, 0.6056, 0.3432)
contains.

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Color

Yxy(12.7093, 0.6054, 0.3435)

Conversions

Conversions Part 1

Format	Color
Hex	BF2913
RGB	191, 41, 19
RGB Percent	75%, 16%, 7%
CMY	0.2509, 0.8393, 0.9253
CMYK	0.00, 0.79, 0.90, 0.25
HSL	8°, 82%, 41%
HSV	8°, 90%, 75%
XYZ	22.3994, 12.7093, 1.8907
YIQ	83.3420, 96.4620, 24.9580

Conversions

Conversions Part 2

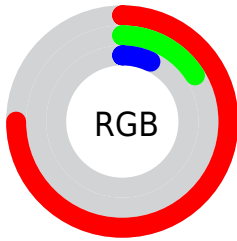
Format	Color
R_{YB}	191, 44, 19
Decimal	12527891
CIE Lab	42.32, 57.45, 48.76
CIE LCh	42, 75.359, 40.323
Yxy	12.7093, 0.6054, 0.3435
Android (android.graphics.Color)	4290717971 (0xFFBF2913)
YUV	83.3420, -31.7206, 94.4161
Hunter-Lab	35.6501, 49.7663, 21.8107

Details

The Yxy color **12.7093, 0.6054, 0.3435** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **32.3058, 0.2162, 0.2925**, and the grayscale version is **8.7745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7796, 0.5419, 0.3564**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.7467, 0.6292, 0.3386**, and if you desaturate by 10%, it is **14.2098, 0.5705, 0.3474**.

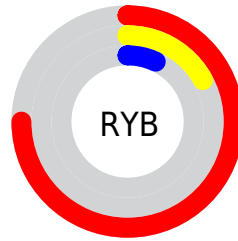
Distribution



Red (75%)

Green (16%)

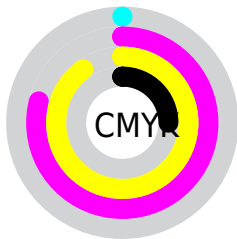
Blue (7%)



Red (75%)

Yellow (17%)

Blue (7%)

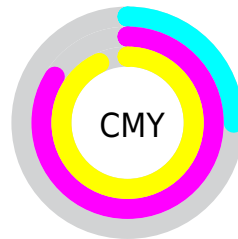


Cyan (0%)

Magenta (79%)

Yellow (90%)

Black (25%)



Cyan (25%)


Magenta (84%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7093, 0.6054, 0.3435 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 12.7093, 0.6054, 0.3435 by changing the saturation by 10% instead.


 12.7093, 0.6054,
0.3435


 12.7093, 0.6054,
0.3435


209.0461, 0.4383,
0.3562


 7.2287, 0.6490,
0.3288


 30.7805, 0.5426,
0.3563


 3.6055, 0.6995,
0.3005

 44.1399, 0.5192,
0.3583


 1.4554, 0.7514,
0.2486

 60.8944, 0.4997,
0.3590

 0.2571, 0.8825,
0.1175

 81.4283, 0.4833,
0.3590


 0.0000, 1.0000,
0.0000


 106.1260, 0.4694,
0.3585

 0.0000, 0.0000,
0.0000

 135.3719, 0.4575,

0.3579


 169.5505, 0.4472,
0.3570


 12.7093, 0.6054,
0.3435

 12.7093, 0.6054,
0.3435


 11.7467, 0.6292,
0.3386

 14.2098, 0.5705,
0.3474

 16.3155, 0.5282,
0.3488

 19.0832, 0.4843,
0.3481

 22.5624, 0.4431,
0.3459

 26.7981, 0.4068,
0.3428

■ 31.8312, 0.3761,
0.3392

■ 37.6999, 0.3507,
0.3357

■ 44.4399, 0.3298,
0.3322

■ 52.0847, 0.3128,
0.3290

Harmonies

Analogous

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



12.7093, 0.5474, 0.2652



12.7093, 0.6054, 0.3435



12.7093, 0.5564, 0.4387

Triad

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



12.7093, 0.6054, 0.3435



12.7093, 0.1945, 0.5536



12.7093, 0.1422, 0.1279

Complementary

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



12.7093, 0.6054, 0.3435



32.3058, 0.2162, 0.2925

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.



12.7093, 0.0974, 0.1410



12.7093, 0.6054, 0.3435



12.7093, 0.1140, 0.3422

Square

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



12.7093, 0.6054, 0.3435



12.7093, 0.3143, 0.6315



12.7093, 0.0872, 0.1999



12.7093, 0.2364, 0.1461

Rectangle

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



12.7093, 0.6054, 0.3435



12.7093, 0.4860, 0.5140



12.7093, 0.0872, 0.1999



12.7093, 0.1227, 0.1285

Sweetspot

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



12.7101, 0.6054, 0.3435



59.5879, 0.3690, 0.3383



14.4839, 0.3489, 0.1738



12.3351, 0.3785, 0.3395



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.



12.7101, 0.6054, 0.3435



20.8470, 0.6308, 0.3373



25.8162, 0.4920, 0.4387



9.7273, 0.3285, 0.3320



7.7855, 0.6275, 0.3399



0.3699, 0.5923, 0.3679

Inverse Universe

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



32.3058, 0.2162, 0.2925



55.7448, 0.2132, 0.2874



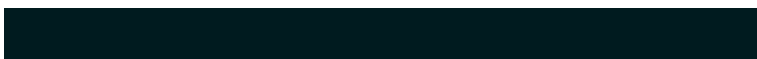
10.3930, 0.1748, 0.1406



10.5962, 0.2985, 0.3260



20.6296, 0.2135, 0.2887



0.8669, 0.2165, 0.2992

Previews

White Background



This preview shows how the Yxy color 12.7093, 0.6054, 0.3435 looks on a white background.

Color Contrast Check

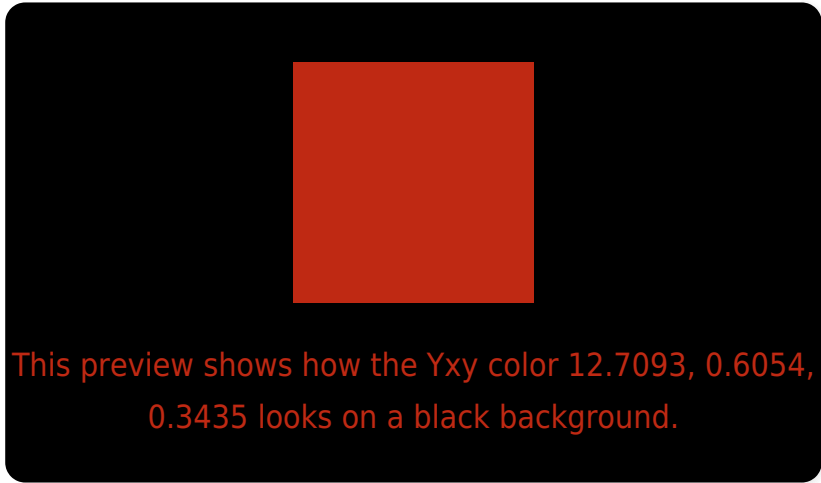
Large Text (above 18pt) WCAG AA ✓ Pass

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

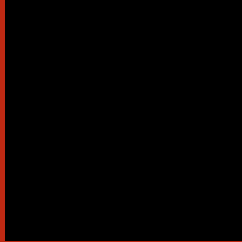
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7093, 0.6054, 0.3435

Background



This preview shows how black text looks on a background with the Yxy color 12.7093, 0.6054, 0.3435.



This preview shows how white text looks on a background with the Yxy color 12.7093, 0.6054, 0.3435.

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

12.7093, 0.6054, 0.3435

Protanopia

12.9279, 0.4195, 0.4620

Deuteranopia

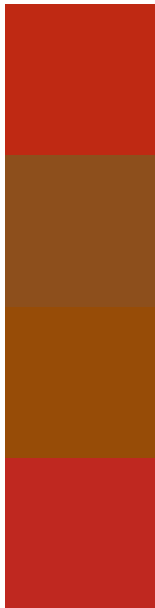
12.9549, 0.4698, 0.4652



Tritanopia

12.6739, 0.5875, 0.3298

Trichromacy



Original Color

12.7093, 0.6054, 0.3435

Protanomaly

11.3385, 0.5018, 0.4067

Deuteranomaly

11.7635, 0.5340, 0.4083

Tritanomaly

12.6982, 0.5948, 0.3356

Monochromacy



Original Color

12.7093, 0.6054, 0.3435

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.5981, 0.4387, 0.3458

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7093, 0.6054, 0.3435 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, 41, 19)` looks like.

```
.text, #text, p{  
    color:rgb(191, 41, 19)  
}
```

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, 41, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 41, 19) }
```

Border

The CSS property to change the border of an element to Yxy 12.7093, 0.6054, 0.3435 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, 41, 19) }
```

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

```
.border{ border-color:rgb(191, 41, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 41, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 41, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 41, 19);  
box-shadow:4px 4px 4px 4px rgb(191, 41,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7093, 0.6054, 0.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 41, 19) }
```

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

```
.background{ background-color: rgb(191, 41,  
19) }
```

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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