

Converting Colors

$Y_{xy}(11.7650, 0.6149, 0.3383)$

Have a look what the booklet for
Yxy(11.7650, 0.6149, 0.3383)
contains.

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Color

Yxy(11.7618, 0.6144, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	BC2010
RGB	188, 32, 16
RGB Percent	74%, 13%, 6%
CMY	0.2628, 0.8744, 0.9371
CMYK	0.00, 0.83, 0.91, 0.26
HSL	6°, 84%, 40%
HSV	6°, 91%, 74%
XYZ	21.3484, 11.7618, 1.6366
YIQ	76.8200, 98.1120, 28.0960

Conversions

Conversions Part 2

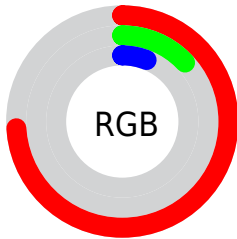
Format	Color
RYB	188, 34, 16
Decimal	12328976
CIELab	40.84, 58.96, 48.63
CIELCh	41, 76.426, 39.520
Yxy	11.7618, 0.6144, 0.3385
Android (android.graphics.Color)	4290519056 (0xFFBC2010)
YUV	76.8200, -29.9843, 97.5049
Hunter-Lab	34.2955, 51.0966, 21.1775

Details

The Yxy color **11.7618, 0.6144, 0.3385** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **33.2480, 0.2186, 0.3022**, and the grayscale version is **7.4324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0710, 0.5481, 0.3535**, and **4.3600, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.1067, 0.6329, 0.3356**, and if you desaturate by 10%, it is **13.0140, 0.5815, 0.3418**.

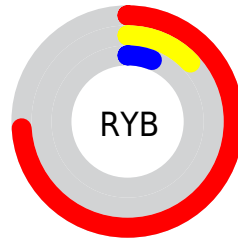
Distribution



Red (74%)

Green (13%)

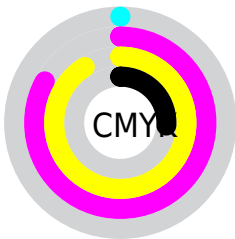
Blue (6%)



Red (74%)

Yellow (13%)

Blue (6%)

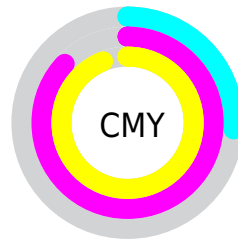


Cyan (0%)

Magenta (83%)

Yellow (91%)

Black (26%)



Cyan (26%)


Magenta (87%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 11.7618, 0.6144, 0.3385 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 11.7618, 0.6144, 0.3385 by changing the saturation by 10% instead.


 11.7618, 0.6144,
0.3385

 11.7618, 0.6144,
0.3385


 202.8219, 0.4409,
0.3551


 6.5817, 0.6617,
0.3228


 29.0605, 0.5491,
0.3534

 3.2019, 0.7102,
0.2898

 41.9479, 0.5247,
0.3560


 1.2380, 0.7658,
0.2342

 58.1732, 0.5045,
0.3571

 0.0924, 0.9493,
0.0507

 78.1208, 0.4875,
0.3574


 0.0000, 1.0000,
0.0000


 102.1751, 0.4731,
0.3571


 0.0000, 0.0000,
0.0000


 130.7204, 0.4608,


0.3566


 164.1412, 0.4502,
0.3559


 11.7618, 0.6144,
0.3385

 11.7618, 0.6144,
0.3385


 11.1067, 0.6329,
0.3356

 13.0140, 0.5815,
0.3418

 14.8649, 0.5393,
0.3433

 17.3781, 0.4942,
0.3431

 20.6085, 0.4512,
0.3417

 24.6053, 0.4132,
0.3395

■ 29.4134, 0.3810,
0.3369

■ 35.0741, 0.3544,
0.3343

■ 41.6259, 0.3326,
0.3317

■ 49.1050, 0.3150,
0.3293

Harmonies

Analogous

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



11.7618, 0.5528, 0.2601



11.7618, 0.6144, 0.3385



11.7618, 0.5646, 0.4354

Triad

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



11.7618, 0.6144, 0.3385



11.7618, 0.1919, 0.5696



11.7618, 0.1359, 0.1229

Complementary

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



11.7618, 0.6144, 0.3385



33.2480, 0.2186, 0.3022

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.



11.7618, 0.0919, 0.1367



11.7618, 0.6144, 0.3385



11.7618, 0.1094, 0.3469

Square

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



11.7618, 0.6144, 0.3385



11.7618, 0.3142, 0.6421



11.7618, 0.0822, 0.1975



11.7618, 0.2302, 0.1406

Rectangle

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



11.7618, 0.6144, 0.3385



11.7618, 0.4893, 0.5107



11.7618, 0.0822, 0.1975



11.7618, 0.1167, 0.1237

Sweetspot

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



11.7625, 0.6144, 0.3385



57.2544, 0.3696, 0.3358



14.1052, 0.3408, 0.1685



11.5910, 0.3791, 0.3367



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.



11.7625, 0.6144, 0.3385



19.9799, 0.6343, 0.3345



23.2986, 0.5024, 0.4317



9.6752, 0.3286, 0.3312



7.6125, 0.6317, 0.3366



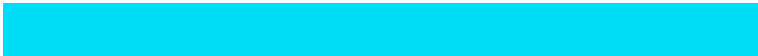
0.3469, 0.6039, 0.3587

Inverse Universe

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



33.2480, 0.2186, 0.3022



58.8426, 0.2164, 0.2991



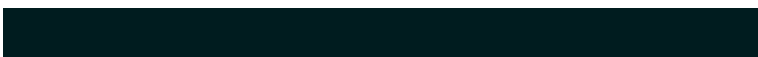
10.6688, 0.1762, 0.1474



10.6537, 0.2985, 0.3268



22.2370, 0.2167, 0.2999



0.9158, 0.2187, 0.3074

Previews

White Background



This preview shows how the Yxy color 11.7618, 0.6144, 0.3385 looks on a white background.

Color Contrast Check

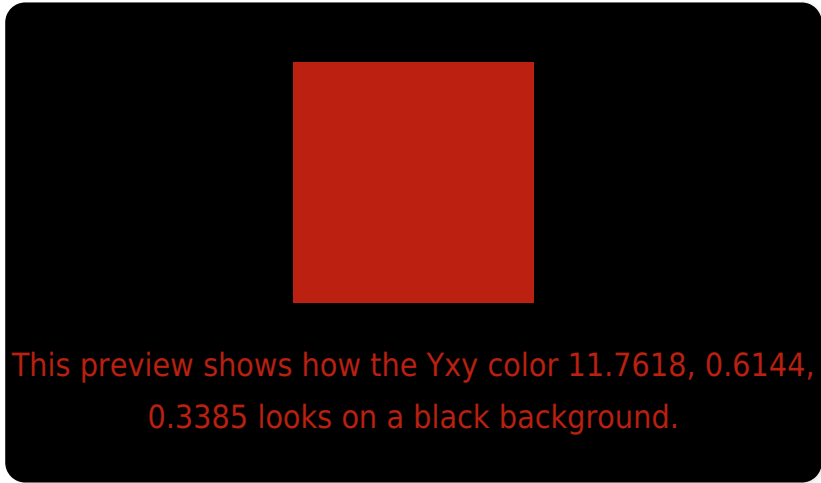
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.7618, 0.6144, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 11.7618, 0.6144, 0.3385.



This preview shows how white text looks on a background with the Yxy color 11.7618, 0.6144, 0.3385.

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

11.7618, 0.6144, 0.3385

Protanopia

12.0855, 0.4191, 0.4637

Deuteranopia

12.0397, 0.4682, 0.4665



Tritanopia

11.7600, 0.6040, 0.3312

Trichromacy



Original Color

11.7618, 0.6144, 0.3385

Protanomaly

10.3754, 0.5088, 0.4025

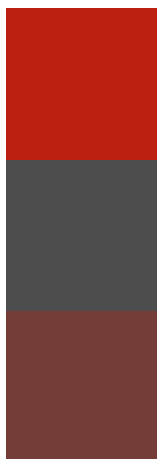
Deuteranomaly

10.7227, 0.5397, 0.4042

Tritanomaly

11.7373, 0.6089, 0.3341

Monochromacy



Original Color

11.7618, 0.6144, 0.3385

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.3952, 0.4484, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.7618, 0.6144, 0.3385 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(188, 32, 16)` looks like.

```
.text, #text, p{  
    color:rgb(188, 32, 16)  
}
```

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(188, 32, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 32, 16) }
```

Border

The CSS property to change the border of an element to Yxy 11.7618, 0.6144, 0.3385 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(188, 32, 16) }
```

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

```
.border{ border-color:rgb(188, 32, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 32, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 32, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 32, 16);  
box-shadow:4px 4px 4px 4px rgb(188, 32,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 11.7618, 0.6144, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 32, 16) }
```

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

```
.background{ background-color: rgb(188, 32,  
16) }
```

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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