

Converting Colors

$Y_{xy}(13.0725, 0.6258, 0.3255)$

Have a look what the booklet for
Yxy(13.0725, 0.6258, 0.3255)
contains.

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Color

Yxy(13.0690, 0.6258, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	CC0816
RGB	204, 8, 22
RGB Percent	80%, 3%, 9%
CMY	0.2000, 0.9685, 0.9135
CMYK	0.00, 0.96, 0.89, 0.20
HSL	356°, 92%, 42%
HSV	356°, 96%, 80%
XYZ	25.1339, 13.0690, 1.9599
YIQ	68.2000, 112.3220, 45.9060

Conversions

Conversions Part 2

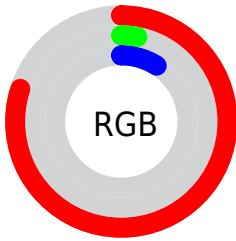
Format	Color
RYB	204, 8, 22
Decimal	13371414
CIELab	42.87, 67.19, 49.08
CIElCh	43, 83.209, 36.145
Yxy	13.0690, 0.6258, 0.3254
Android (android.graphics.Color)	4291561494 (0xFFCC0816)
YUV	68.2000, -22.7766, 119.0966
Hunter-Lab	36.1511, 60.8372, 22.0913

Details

The Yxy color **13.0690, 0.6258, 0.3254** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **46.9537, 0.2311, 0.3502**, and the grayscale version is **5.8429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5061, 0.5512, 0.3436**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8706, 0.6332, 0.3262**, and if you desaturate by 10%, it is **13.8487, 0.5984, 0.3221**.

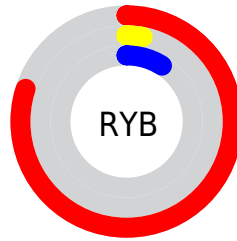
Distribution



Red (80%)

Green (3%)

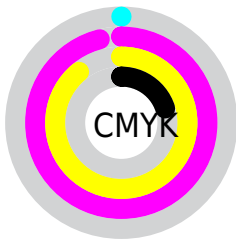
Blue (9%)



Red (80%)

Yellow (3%)

Blue (9%)

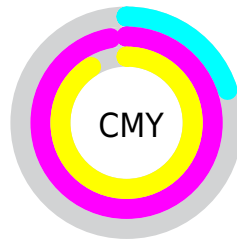


Cyan (0%)

Magenta (96%)

Yellow (89%)

Black (20%)



Cyan (20%)


Magenta (97%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0690, 0.6258, 0.3254 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 13.0690, 0.6258, 0.3254 by changing the saturation by 10% instead.


 13.0690, 0.6258,
0.3254


 13.0690, 0.6258,
0.3254


211.3594, 0.4484,
0.3500


 7.4761, 0.6707,
0.3075


 31.4277, 0.5598,
0.3428


 3.7616, 0.7233,
0.2767

 44.9622, 0.5349,
0.3466

 1.5411, 0.7764,
0.2236

 61.9128, 0.5142,
0.3487

 0.3174, 0.8870,
0.1130

 82.6638, 0.4968,
0.3498

 0.0000, 1.0000,
0.0000


 107.5995, 0.4819,
0.3503


 0.0000, 0.0000,
0.0000


 137.1044, 0.4691,

0.3504

 171.5629, 0.4581,
0.3503


 13.0690, 0.6258,
0.3254

 13.0690, 0.6258,
0.3254

 12.8706, 0.6332,
0.3262

 13.8487, 0.5984,
0.3221

 15.3457, 0.5588,
0.3199

 17.6853, 0.5133,
0.3191

 20.9666, 0.4681,
0.3195

 25.2754, 0.4273,
0.3207

■ 30.6876, 0.3925,
0.3224

■ 37.2719, 0.3639,
0.3243

■ 45.0915, 0.3407,
0.3262

■ 54.2052, 0.3221,
0.3280

Harmonies

Analogous

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



13.0690, 0.5482, 0.2474



13.0690, 0.6258, 0.3254



13.0690, 0.5800, 0.4200

Triad

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



13.0690, 0.6258, 0.3254



13.0690, 0.1975, 0.6056



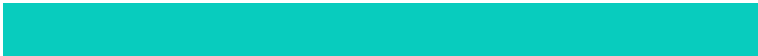
13.0690, 0.1231, 0.1167

Complementary

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



13.0690, 0.6258, 0.3254



46.9537, 0.2311, 0.3502

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.



13.0690, 0.0832, 0.1342



13.0690, 0.6258, 0.3254



13.0690, 0.1081, 0.3714

Square

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



13.0690, 0.6258, 0.3254



13.0690, 0.3250, 0.6516



13.0690, 0.0766, 0.2027



13.0690, 0.2122, 0.1313

Rectangle

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



13.0690, 0.6258, 0.3254



13.0690, 0.5037, 0.4963



13.0690, 0.0766, 0.2027



13.0690, 0.1054, 0.1186

Sweetspot

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



13.0698, 0.6258, 0.3254



57.8878, 0.3728, 0.3236



15.1834, 0.3007, 0.1443



11.3909, 0.3852, 0.3228



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



13.0698, 0.6258, 0.3254



21.3045, 0.6345, 0.3269



20.1145, 0.5571, 0.3921



11.2265, 0.3279, 0.3274



8.1062, 0.6315, 0.3252



0.4228, 0.6041, 0.3102

Inverse Universe

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



13.0698, 0.6258, 0.3254



21.3045, 0.6345, 0.3269



18.4160, 0.1872, 0.1915



11.2265, 0.3279, 0.3274



8.1062, 0.6315, 0.3252



0.4228, 0.6041, 0.3102

Previews

White Background



This preview shows how the Yxy color 13.0690, 0.6258, 0.3254 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



This preview shows how the Yxy color 13.0690, 0.6258, 0.3254 looks on a 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 13.0690, 0.6258, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 13.0690, 0.6258, 0.3254.



This preview shows how white text looks on a background with the Yxy color 13.0690, 0.6258, 0.3254.

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

13.0690, 0.6258, 0.3254

Protanopia

13.4985, 0.4133, 0.4535

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.1291, 0.6338, 0.3349

Trichromacy



Original Color

13.0690, 0.6258, 0.3254

Protanomaly

10.4471, 0.5223, 0.3796

Deuteranomaly

10.9662, 0.5593, 0.3873

Tritanomaly

13.0281, 0.6319, 0.3316

Monochromacy



Original Color

13.0690, 0.6258, 0.3254

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.9749, 0.4765, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0690, 0.6258, 0.3254 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(204, 8, 22)` looks like.

```
.text, #text, p{  
    color:rgb(204, 8, 22)  
}
```

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(204, 8, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 8, 22) }
```

Border

The CSS property to change the border of an element to Yxy 13.0690, 0.6258, 0.3254 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(204, 8, 22) }
```

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

```
.border{ border-color:rgb(204, 8, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 8, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 8, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 8, 22);  
box-shadow:4px 4px 4px 4px rgb(204, 8, 22)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.0690, 0.6258, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 8, 22) }
```

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

```
.background{ background-color: rgb(204, 8,  
22) }
```

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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