

Converting Colors

$Y_{xy}(12.8418, 0.6392, 0.3295)$

Have a look what the booklet for
Yxy(12.8418, 0.6392, 0.3295)
contains.

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Color

Yxy(12.8418, 0.6392, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	CC0002
RGB	204, 0, 2
RGB Percent	80%, 0%, 1%
CMY	0.2000, 0.9997, 0.9926
CMYK	0.00, 1.00, 0.99, 0.20
HSL	359°, 100%, 40%
HSV	359°, 100%, 80%
XYZ	24.9119, 12.8418, 1.2199
YIQ	61.2240, 120.9420, 43.8700

Conversions

Conversions Part 2

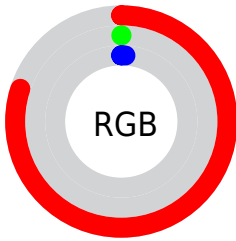
Format	Color
RYB	204, 0, 2
Decimal	13369346
CIELab	42.52, 67.72, 56.15
CIElCh	43, 87.975, 39.663
Yxy	12.8418, 0.6392, 0.3295
Android (android.graphics.Color)	4291559426 (0xFFCC0002)
YUV	61.2240, -29.1974, 125.2146
Hunter-Lab	35.8355, 61.3767, 23.0665

Details

The Yxy color **12.8418, 0.6392, 0.3295** 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 **47.4577, 0.2254, 0.3315**, and the grayscale version is **4.7336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.0233, 0.5666, 0.3516**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8410, 0.6392, 0.3295**, and if you desaturate by 10%, it is **13.4124, 0.6212, 0.3292**.

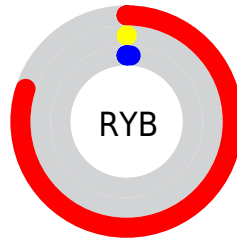
Distribution



Red (80%)

Green (0%)

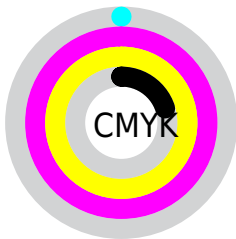
Blue (1%)



Red (80%)

Yellow (0%)

Blue (1%)

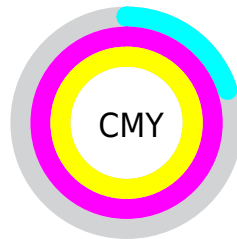


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (20%)



Cyan (20%)


Magenta (100%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8418, 0.6392, 0.3295 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 12.8418, 0.6392, 0.3295 by changing the saturation by 10% instead.


 12.8418, 0.6392,
0.3295


 12.8418, 0.6392,
0.3295


 209.9013, 0.4584,
0.3567


 7.3197, 0.6880,
0.3120


 31.0193, 0.5742,
0.3495


 3.6628, 0.7262,
0.2738

 44.4434, 0.5489,
0.3538

 1.4868, 0.7800,
0.2200

 61.2704, 0.5276,
0.3561

 0.2794, 0.8974,
0.1026

 81.8846, 0.5094,
0.3572

 0.0000, 1.0000,
0.0000

 106.6704, 0.4938,
0.3576

 0.0000, 0.0000,
0.0000


 136.0122, 0.4804,

0.3576


 170.2943, 0.4687,
0.3572


 12.8418, 0.6392,
0.3295


 12.8418, 0.6392,
0.3295


 12.8410, 0.6392,
0.3295

 13.4124, 0.6212,
0.3292

 14.5833, 0.5887,
0.3288

 16.5570, 0.5449,
0.3285

 19.4425, 0.4972,
0.3283

 23.3319, 0.4517,
0.3283

■ 28.3062, 0.4119,
0.3284

■ 34.4379, 0.3786,
0.3285

■ 41.7934, 0.3516,
0.3287

■ 50.4342, 0.3300,
0.3288

Harmonies

Analogous

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



12.8418, 0.5790, 0.2510



12.8418, 0.6392, 0.3295



12.8418, 0.5726, 0.4274

Triad

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



12.8418, 0.6392, 0.3295



12.8418, 0.1747, 0.6030



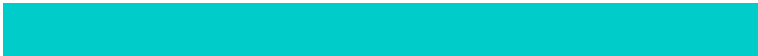
12.8418, 0.1235, 0.1096

Complementary

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



12.8418, 0.6392, 0.3295



47.4577, 0.2254, 0.3315

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.



12.8418, 0.0788, 0.1222



12.8418, 0.6392, 0.3295



12.8418, 0.0923, 0.3438

Square

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



12.8418, 0.6392, 0.3295



12.8418, 0.3023, 0.6770



12.8418, 0.0679, 0.1826



12.8418, 0.2221, 0.1279

Rectangle

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



12.8418, 0.6392, 0.3295



12.8418, 0.4888, 0.5112



12.8418, 0.0679, 0.1826



12.8418, 0.1040, 0.1101

Sweetspot

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



12.8426, 0.6392, 0.3295



56.5622, 0.3799, 0.3285



16.7229, 0.3167, 0.1519



11.1343, 0.3934, 0.3284



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.



12.8426, 0.6392, 0.3295



21.2650, 0.6394, 0.3296



21.6917, 0.5465, 0.4042



11.2153, 0.3289, 0.3288



8.0832, 0.6390, 0.3294



0.4176, 0.6353, 0.3273

Inverse Universe

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



12.8426, 0.6392, 0.3295



21.2650, 0.6394, 0.3296



14.5514, 0.1784, 0.1623



11.2153, 0.3289, 0.3288



8.0832, 0.6390, 0.3294



0.4176, 0.6353, 0.3273

Previews

White Background



This preview shows how the Yxy color 12.8418, 0.6392, 0.3295 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 12.8418, 0.6392, 0.3295 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 12.8418, 0.6392, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 12.8418, 0.6392, 0.3295.



This preview shows how white text looks on a background with the Yxy color 12.8418, 0.6392, 0.3295.

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

12.8418, 0.6392, 0.3295

Protanopia

13.4881, 0.4270, 0.4706

Deuteranopia

13.4812, 0.4690, 0.4658



Tritanopia

13.0223, 0.6333, 0.3354

Trichromacy



Original Color

12.8418, 0.6392, 0.3295

Protanomaly

10.2328, 0.5433, 0.3898

Deuteranomaly

10.6155, 0.5684, 0.3860

Tritanomaly

12.9616, 0.6358, 0.3328

Monochromacy



Original Color

12.8418, 0.6392, 0.3295

Achromatopsia

4.6665, 0.3127, 0.3290

Achromatomaly

5.1149, 0.5072, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8418, 0.6392, 0.3295 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, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 2)  
}
```

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, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 2) }
```

Border

The CSS property to change the border of an element to Yxy 12.8418, 0.6392, 0.3295 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, 0, 2) }
```

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

```
.border{ border-color:rgb(204, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(204, 0, 2); box-shadow:4px  
4px 4px 4px rgb(204, 0, 2) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8418, 0.6392, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 2) }
```

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

```
.background{ background-color: rgb(204, 0,  
2) }
```

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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