

Converting Colors

$Y_{xy}(12.7972, 0.4491, 0.5392)$

Have a look what the booklet for
Yxy(12.7972, 0.4491, 0.5392)
contains.

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Color

Yxy(12.8263, 0.4256, 0.5002)

Conversions

Conversions Part 1

Format	Color
Hex	6B6700
RGB	107, 103, 0
RGB Percent	42%, 40%, 0%
CMY	0.5804, 0.5961, 0.9997
CMYK	0.00, 0.04, 1.00, 0.58
HSL	58°, 100%, 21%
HSV	58°, 100%, 42%
XYZ	10.9134, 12.8263, 1.9027
YIQ	92.4540, 35.4470, -31.1850

Conversions

Conversions Part 2

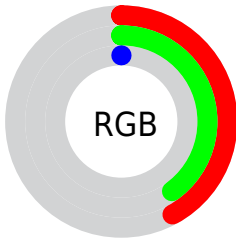
Format	Color
RYB	4, 107, 0
Decimal	7038720
CIELab	42.50, -9.14, 48.96
CIELCh	43, 49.808, 100.569
Yxy	12.8263, 0.4256, 0.5002
Android (android.graphics.Color)	4285228800 (0xFF6B6700)
YUV	92.4540, -45.5798, 12.7568
Hunter-Lab	35.8138, -8.2807, 21.9198

Details

The Yxy color **12.8263, 0.4256, 0.5002** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.1502, 0.1513, 0.0645**, and the grayscale version is **10.9166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1188, 0.4056, 0.4628**, and **3.6406, 0.4167, 0.5074** is the 20% darker color. If you saturate the color by 10%, you get **12.8261, 0.4256, 0.5002**, and if you desaturate by 10%, it is **12.9300, 0.4208, 0.4941**.

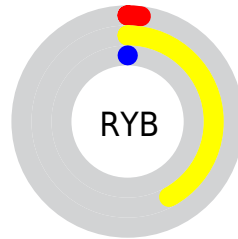
Distribution



Red (42%)

Green (40%)

Blue (0%)



Red (2%)

Yellow (42%)

Blue (0%)

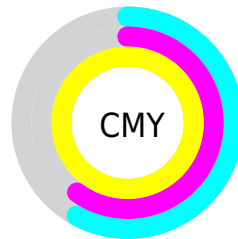


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (58%)



Cyan (58%)


Magenta (60%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8263, 0.4256, 0.5002 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 12.8263, 0.4256, 0.5002 by changing the saturation by 10% instead.


 12.8263, 0.4256,
0.5002


 12.8263, 0.4256,
0.5002


 209.8014, 0.3661,
0.4022


 7.3090, 0.4377,
0.5266


 30.9914, 0.4056,
0.4633


 3.6561, 0.4451,
0.5549

 44.4080, 0.3972,
0.4495


 1.4831, 0.4298,
0.5702

 61.2265, 0.3900,
0.4380

 0.2768, 0.1265,
0.8735


 81.8313, 0.3838,
0.4285


 0.0000, 0.0000,
0.0000


 106.6068, 0.3785,
0.4203


 135.9374, 0.3738,


0.4134


 170.2075, 0.3697,
0.4074


 12.8263, 0.4256,
0.5002


 12.8263, 0.4256,
0.5002


 12.8261, 0.4256,
0.5002

 12.9300, 0.4208,
0.4941

 13.0422, 0.4148,
0.4859

 13.1719, 0.4064,
0.4739

 13.3209, 0.3959,
0.4583

 13.4909, 0.3836,
0.4397

■ 13.6833, 0.3700,
0.4189

■ 13.8996, 0.3557,
0.3966

■ 14.1408, 0.3411,
0.3738

■ 14.4083, 0.3266,
0.3510

Harmonies

Analogous

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



12.8263, 0.4966, 0.4317



12.8263, 0.4256, 0.5002



12.8263, 0.3321, 0.5277

Triad

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



12.8263, 0.4256, 0.5002



12.8263, 0.1425, 0.2442



12.8263, 0.3686, 0.2323

Complementary

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



12.8263, 0.4256, 0.5002



1.1502, 0.1513, 0.0645

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.



12.8263, 0.2628, 0.1924



12.8263, 0.4256, 0.5002



12.8263, 0.1490, 0.1922

Square

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



12.8263, 0.4256, 0.5002



12.8263, 0.1709, 0.3437



12.8263, 0.1880, 0.1777



12.8263, 0.4709, 0.2909

Rectangle

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



12.8263, 0.4256, 0.5002



12.8263, 0.2681, 0.4969



12.8263, 0.1880, 0.1777



12.8263, 0.3313, 0.2165

Sweetspot

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



12.8269, 0.4256, 0.5002



24.8551, 0.3570, 0.3987



3.1390, 0.6299, 0.3245



5.9853, 0.3617, 0.4059



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.8269, 0.4256, 0.5002



22.9301, 0.4258, 0.5001



11.4403, 0.3469, 0.5626



3.5651, 0.3253, 0.3489



15.5960, 0.4257, 0.5002



79.1762, 0.4261, 0.4999

Inverse Universe

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



1.1502, 0.1513, 0.0645



2.0144, 0.1509, 0.0632



1.6961, 0.1980, 0.0865



3.0416, 0.2997, 0.3083



1.3864, 0.1511, 0.0640



6.7786, 0.1505, 0.0616

Previews

White Background



This preview shows how the Yxy color 12.8263, 0.4256, 0.5002 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 12.8263, 0.4256, 0.5002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

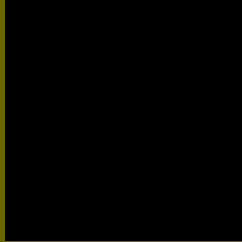
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8263, 0.4256, 0.5002

Background



This preview shows how black text looks on a background with the Yxy color 12.8263, 0.4256, 0.5002.



This preview shows how white text looks on a background with the Yxy color 12.8263, 0.4256, 0.5002.

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

12.8263, 0.4256, 0.5002

Protanopia

12.8181, 0.4384, 0.4901

Deuteranopia

12.7309, 0.4636, 0.4565



Tritanopia

12.9224, 0.3302, 0.3144

Trichromacy



Original Color

12.8263, 0.4256, 0.5002

Protanomaly

12.8822, 0.4336, 0.4940

Deuteranomaly

12.7503, 0.4502, 0.4718

Tritanomaly

12.6965, 0.3789, 0.4009

Monochromacy



Original Color

12.8263, 0.4256, 0.5002

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.2229, 0.3680, 0.4171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8263, 0.4256, 0.5002 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(107, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(107, 103, 0)  
}
```

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(107, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.8263, 0.4256, 0.5002 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(107, 103, 0) }
```

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

```
.border{ border-color:rgb(107, 103, 0) }
```

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

Here you see how a box with a 4 pixel rgb(107, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(107, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8263, 0.4256, 0.5002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 103, 0) }
```

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

```
.background{ background-color: rgb(107,  
103, 0) }
```

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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