

Converting Colors

$Y_{xy}(16.1306, 0.4262, 0.5738)$

Have a look what the booklet for
Yxy(16.1306, 0.4262, 0.5738)
contains.

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Color

Yxy(16.4362, 0.3983, 0.5220)

Conversions

Conversions Part 1

Format	Color
Hex	697800
RGB	105, 120, 0
RGB Percent	41%, 47%, 0%
CMY	0.5883, 0.5294, 1.0000
CMYK	0.13, 0.00, 1.00, 0.53
HSL	68°, 100%, 24%
HSV	68°, 100%, 47%
XYZ	12.5413, 16.4362, 2.5095
YIQ	101.8350, 29.5800, -40.5000

Conversions

Conversions Part 2

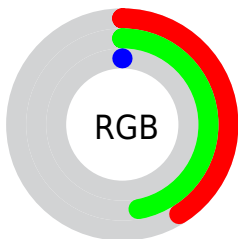
Format	Color
RYB	0, 120, 15
Decimal	6912000
CIELab	47.54, -19.34, 52.64
CIElCh	48, 56.078, 110.172
Yxy	16.4362, 0.3983, 0.5220
Android (android.graphics.Color)	4285102080 (0xFF697800)
YUV	101.8350, -50.2047, 2.7757
Hunter-Lab	40.5416, -15.7300, 24.7091

Details

The Yxy color **16.4362, 0.3983, 0.5220** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4579, 0.1566, 0.0636**, and the grayscale version is **13.3697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2349, 0.3865, 0.4805**, and **5.4190, 0.3800, 0.5365** is the 20% darker color. If you saturate the color by 10%, you get **16.4371, 0.3983, 0.5220**, and if you desaturate by 10%, it is **16.5553, 0.3970, 0.5140**.

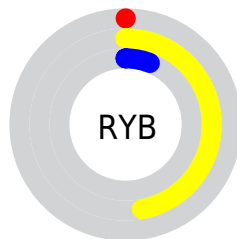
Distribution



Red (41%)

Green (47%)

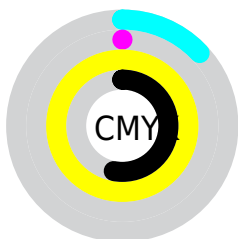
Blue (0%)



Red (0%)

Yellow (47%)

Blue (6%)

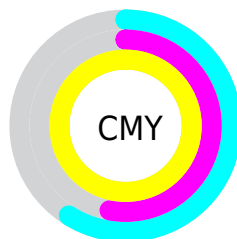


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (59%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.4362, 0.3983, 0.5220 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 16.4362, 0.3983, 0.5220 by changing the saturation by 10% instead.


 16.4362, 0.3983,
0.5220


 16.4362, 0.3983,
0.5220


231.9021, 0.3579,
0.4116


 9.8333, 0.4023,
0.5504


 37.3538, 0.3865,
0.4799

 5.2886, 0.4068,
0.5932

 52.4374, 0.3809,
0.4645


 2.4176, 0.3819,
0.6181

 71.1166, 0.3759,
0.4517

 0.8349, 0.2780,
0.7220

 93.7760, 0.3714,
0.4410


 0.0000, 0.0000,
0.0000

 120.7998, 0.3674,
0.4319

 152.5725, 0.3639,


0.4242


 189.4784, 0.3607,
0.4175

 16.4362, 0.3983,
0.5220


 16.4362, 0.3983,
0.5220


 16.4371, 0.3983,
0.5220

 16.5553, 0.3970,
0.5140

 16.6881, 0.3941,
0.5034

 16.8445, 0.3889,
0.4888

 17.0271, 0.3815,
0.4705

 17.2381, 0.3722,
0.4493

■ 17.4796, 0.3614,
0.4260

■ 17.7534, 0.3496,
0.4016

■ 18.0610, 0.3373,
0.3768

■ 18.4040, 0.3249,
0.3525

Harmonies

Analogous

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



16.4362, 0.4819, 0.4574



16.4362, 0.3983, 0.5220



16.4362, 0.2995, 0.5264

Triad

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



16.4362, 0.3983, 0.5220



16.4362, 0.1365, 0.2190



16.4362, 0.4074, 0.2469

Complementary

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



16.4362, 0.3983, 0.5220



1.4579, 0.1566, 0.0636

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.



16.4362, 0.2933, 0.1991



16.4362, 0.3983, 0.5220



16.4362, 0.1536, 0.1798

Square

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



16.4362, 0.3983, 0.5220



16.4362, 0.1530, 0.3054



16.4362, 0.2046, 0.1755



16.4362, 0.5004, 0.3107

Rectangle

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



16.4362, 0.3983, 0.5220



16.4362, 0.2366, 0.4729



16.4362, 0.2046, 0.1755



16.4362, 0.3687, 0.2287

Sweetspot

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



16.4371, 0.3983, 0.5220



31.1846, 0.3505, 0.4034



4.3076, 0.6260, 0.3412



7.3503, 0.3545, 0.4118



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.4371, 0.3983, 0.5220



28.8680, 0.3978, 0.5224



14.0152, 0.3248, 0.5803



4.6097, 0.3238, 0.3503



17.9260, 0.3982, 0.5220



85.2552, 0.3970, 0.5229

Inverse Universe

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



1.4579, 0.1566, 0.0636



2.5282, 0.1553, 0.0629



2.8122, 0.2301, 0.1041



3.9154, 0.3011, 0.3070



1.5863, 0.1564, 0.0635



7.3573, 0.1538, 0.0621

Previews

White Background



This preview shows how the Yxy color 16.4362, 0.3983, 0.5220 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 16.4362, 0.3983, 0.5220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

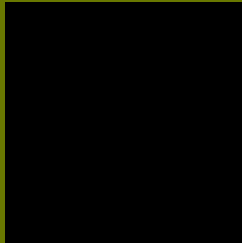
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.4362, 0.3983, 0.5220

Background



This preview shows how black text looks on a background with the Yxy color 16.4362, 0.3983, 0.5220.



This preview shows how white text looks on a background with the Yxy color 16.4362, 0.3983, 0.5220.

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

16.4362, 0.3983, 0.5220

Protanopia

16.3223, 0.4394, 0.4893

Deuteranopia

16.3167, 0.4620, 0.4558



Tritanopia

16.5218, 0.3056, 0.3132

Trichromacy



Original Color

16.4362, 0.3983, 0.5220

Protanomaly

16.4127, 0.4236, 0.5019

Deuteranomaly

16.2845, 0.4396, 0.4798

Tritanomaly

16.1628, 0.3553, 0.4105

Monochromacy



Original Color

16.4362, 0.3983, 0.5220

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.2025, 0.3605, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.4362, 0.3983, 0.5220 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(105, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 120, 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(105, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.4362, 0.3983, 0.5220 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(105, 120, 0) }
```

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

```
.border{ border-color:rgb(105, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(105, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.4362, 0.3983, 0.5220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 120, 0) }
```

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

```
.background{ background-color: rgb(105,  
120, 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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