

Converting Colors

$Y_{xy}(16.3413, 0.3934, 0.5258)$

Have a look what the booklet for
Yxy(16.3413, 0.3934, 0.5258)
contains.

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Color

Yxy(16.2577, 0.3941, 0.5253)

Conversions

Conversions Part 1

Format	Color
Hex	667800
RGB	102, 120, 0
RGB Percent	40%, 47%, 0%
CMY	0.5999, 0.5294, 1.0000
CMYK	0.15, 0.00, 1.00, 0.53
HSL	69°, 100%, 24%
HSV	69°, 100%, 47%
XYZ	12.1971, 16.2577, 2.4945
YIQ	100.9380, 27.7920, -41.1360

Conversions

Conversions Part 2

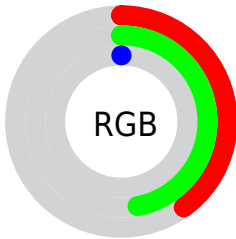
Format	Color
RYB	0, 120, 18
Decimal	6715392
CIELab	47.31, -20.69, 52.35
CIELCh	47, 56.294, 111.566
Yxy	16.2577, 0.3941, 0.5253
Android (android.graphics.Color)	4284905472 (0xFF667800)
YUV	100.9380, -49.7624, 0.9314
Hunter-Lab	40.3208, -16.5648, 24.5565

Details

The Yxy color **16.2577, 0.3941, 0.5253** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4845, 0.1583, 0.0646**, and the grayscale version is **13.1237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9318, 0.3834, 0.4823**, and **5.3385, 0.3736, 0.5416** is the 20% darker color. If you saturate the color by 10%, you get **16.2585, 0.3941, 0.5253**, and if you desaturate by 10%, it is **16.3913, 0.3932, 0.5168**.

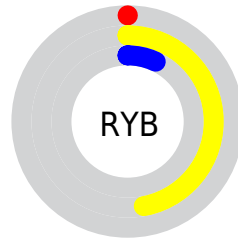
Distribution



Red (40%)

Green (47%)

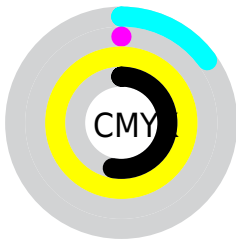
Blue (0%)



Red (0%)

Yellow (47%)

Blue (7%)

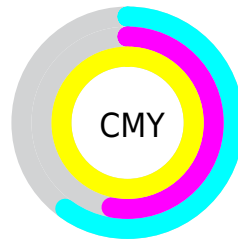


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.2577, 0.3941, 0.5253 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 16.2577, 0.3941, 0.5253 by changing the saturation by 10% instead.


 16.2577, 0.3941,
0.5253


 16.2577, 0.3941,
0.5253


230.8576, 0.3562,
0.4123


 9.7067, 0.3973,
0.5548


 37.0450, 0.3834,
0.4819


 5.2049, 0.4005,
0.5995

 52.0501, 0.3781,
0.4661


 2.3680, 0.3734,
0.6266

 70.6420, 0.3733,
0.4530

 0.8093, 0.2460,
0.7540

 93.2051, 0.3690,
0.4421


 0.0000, 0.0000,
0.0000

 120.1238, 0.3652,
0.4329


 151.7826, 0.3619,


0.4250


 188.5657, 0.3589,
0.4182


 16.2577, 0.3941,
0.5253


 16.2577, 0.3941,
0.5253


 16.2585, 0.3941,
0.5253

 16.3913, 0.3932,
0.5168

 16.5392, 0.3908,
0.5058

 16.7115, 0.3860,
0.4906

 16.9107, 0.3790,
0.4719

 17.1390, 0.3701,
0.4502

■ 17.3985, 0.3597,
0.4266

■ 17.6910, 0.3484,
0.4019

■ 18.0180, 0.3365,
0.3770

■ 18.3812, 0.3245,
0.3525

Harmonies

Analogous

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



16.2577, 0.4796, 0.4614



16.2577, 0.3941, 0.5253



16.2577, 0.2946, 0.5259

Triad

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



16.2577, 0.3941, 0.5253



16.2577, 0.1356, 0.2154



16.2577, 0.4133, 0.2491

Complementary

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



16.2577, 0.3941, 0.5253



1.4845, 0.1583, 0.0646

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.



16.2577, 0.2981, 0.2001



16.2577, 0.3941, 0.5253



16.2577, 0.1543, 0.1780

Square

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



16.2577, 0.3941, 0.5253



16.2577, 0.1504, 0.2999



16.2577, 0.2072, 0.1751



16.2577, 0.5046, 0.3136

Rectangle

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



16.2577, 0.3941, 0.5253



16.2577, 0.2319, 0.4689



16.2577, 0.2072, 0.1751



16.2577, 0.3746, 0.2305

Sweetspot

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



16.2585, 0.3941, 0.5253



31.0757, 0.3492, 0.4037



4.3636, 0.6236, 0.3431



7.3218, 0.3532, 0.4122



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.



16.2585, 0.3941, 0.5253



28.5509, 0.3935, 0.5258



13.9683, 0.3230, 0.5817



4.6050, 0.3234, 0.3503



17.7325, 0.3940, 0.5254



84.2926, 0.3926, 0.5265

Inverse Universe

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



1.4845, 0.1583, 0.0646



2.5710, 0.1569, 0.0638



2.8925, 0.2337, 0.1061



3.9197, 0.3015, 0.3071



1.6151, 0.1581, 0.0644



7.4658, 0.1551, 0.0628

Previews

White Background



This preview shows how the Yxy color 16.2577, 0.3941, 0.5253 looks on a white background.

Color Contrast Check

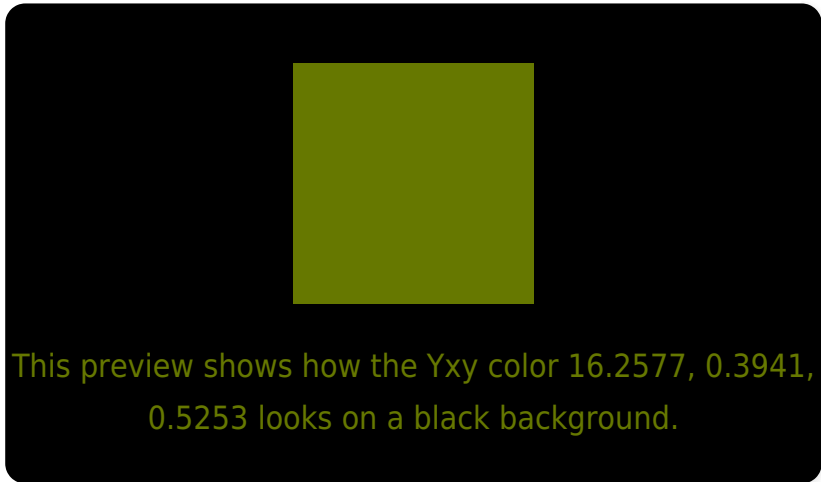
Large Text (above 18pt) WCAG AA ✓ Pass

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

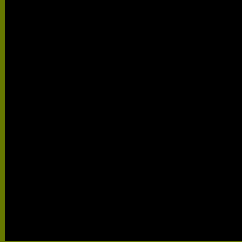
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.2577, 0.3941, 0.5253

Background



This preview shows how black text looks on a background with the Yxy color 16.2577, 0.3941, 0.5253.



This preview shows how white text looks on a background with the Yxy color 16.2577, 0.3941, 0.5253.

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

16.2577, 0.3941, 0.5253

Protanopia

16.1004, 0.4410, 0.4881

Deuteranopia

16.0249, 0.4618, 0.4547



Tritanopia

16.3239, 0.3018, 0.3130

Trichromacy



Original Color

16.2577, 0.3941, 0.5253

Protanomaly

16.1130, 0.4236, 0.5018

Deuteranomaly

15.9100, 0.4383, 0.4806

Tritanomaly

15.9714, 0.3511, 0.4117

Monochromacy



Original Color

16.2577, 0.3941, 0.5253

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.8620, 0.3594, 0.4275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.2577, 0.3941, 0.5253 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(102, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.2577, 0.3941, 0.5253 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(102, 120, 0) }
```

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

```
.border{ border-color:rgb(102, 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(102, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(102, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 16.2577, 0.3941, 0.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 0) }
```

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

```
.background{ background-color: rgb(102,  
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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