

Converting Colors

$Y_{xy}(10.6630, 0.3618, 0.5509)$

Have a look what the booklet for
Yxy(10.6630, 0.3618, 0.5509)
contains.

Yxy(10.6610, 0.3617, 0.5510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.6610, 0.3617, 0.5510)

Conversions

Conversions Part 1

Format	Color
Hex	426600
RGB	66, 102, 0
RGB Percent	26%, 40%, 0%
CMY	0.7412, 0.6000, 1.0000
CMYK	0.35, 0.00, 1.00, 0.60
HSL	81°, 100%, 20%
HSV	81°, 100%, 40%
XYZ	6.9983, 10.6610, 1.6891
YIQ	79.6080, 11.2860, -39.3540

Conversions

Conversions Part 2

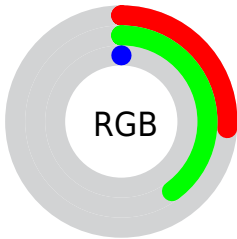
Format	Color
RYB	0, 102, 36
Decimal	4351488
CIELab	39.00, -27.52, 44.95
CIELCh	39, 52.707, 121.472
Yxy	10.6610, 0.3617, 0.5510
Android (android.graphics.Color)	4282541568 (0xFF426600)
YUV	79.6080, -39.2467, -11.9342
Hunter-Lab	32.6512, -18.8805, 19.7886

Details

The Yxy color **10.6610, 0.3617, 0.5510** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.3349, 0.1826, 0.0779**, and the grayscale version is **8.0186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9395, 0.3586, 0.4922**, and **2.8179, 0.3183, 0.5855** is the 20% darker color. If you saturate the color by 10%, you get **10.6613, 0.3617, 0.5510**, and if you desaturate by 10%, it is **10.8129, 0.3632, 0.5376**.

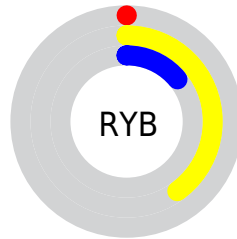
Distribution



Red (26%)

Green (40%)

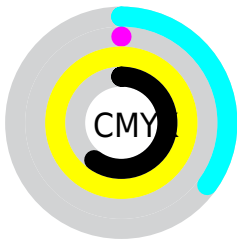
Blue (0%)



Red (0%)

Yellow (40%)

Blue (14%)

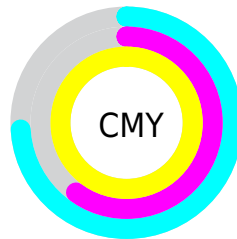


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (60%)



Cyan (74%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6610, 0.3617, 0.5510 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 10.6610, 0.3617, 0.5510 by changing the saturation by 10% instead.


 10.6610, 0.3617,
0.5510


 10.6610, 0.3617,
0.5510


 195.3268, 0.3416,
0.4113


 5.8394, 0.3616,
0.6020

 27.0316, 0.3585,
0.4926


 2.7477, 0.3419,
0.6581


 39.3493, 0.3556,
0.4729

 1.0015, 0.2158,
0.7842

 54.9345, 0.3527,
0.4572

 0.0000, 0.0000,
0.0000


 74.1716, 0.3500,
0.4445


 97.4450, 0.3475,
0.4340


 125.1391, 0.3453,

0.4252


 157.6382, 0.3433,
0.4177


 10.6610, 0.3617,
0.5510


 10.6610, 0.3617,
0.5510

 10.6613, 0.3617,
0.5510

 10.8129, 0.3632,
0.5376

 10.9795, 0.3637,
0.5223

 11.1696, 0.3619,
0.5029

 11.3850, 0.3582,
0.4802

 11.6272, 0.3527,
0.4553

■ 11.8978, 0.3458,
0.4292

■ 12.1979, 0.3381,
0.4028

■ 12.5289, 0.3297,
0.3770

■ 12.8918, 0.3212,
0.3522

Harmonies

Analogous

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



10.6610, 0.4603, 0.4927



10.6610, 0.3617, 0.5510



10.6610, 0.2570, 0.5190

Triad

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



10.6610, 0.3617, 0.5510



10.6610, 0.1288, 0.1898



10.6610, 0.4593, 0.2647

Complementary

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



10.6610, 0.3617, 0.5510



1.3349, 0.1826, 0.0779

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.



10.6610, 0.3361, 0.2071



10.6610, 0.3617, 0.5510



10.6610, 0.1594, 0.1649

Square

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



10.6610, 0.3617, 0.5510



10.6610, 0.1316, 0.2601



10.6610, 0.2275, 0.1722



10.6610, 0.5352, 0.3345

Rectangle

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



10.6610, 0.3617, 0.5510



10.6610, 0.1969, 0.4362



10.6610, 0.2275, 0.1722



10.6610, 0.4202, 0.2435

Sweetspot

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



10.6615, 0.3617, 0.5510



21.3437, 0.3388, 0.4051



4.0691, 0.5737, 0.3826



4.9977, 0.3411, 0.4129



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.6615, 0.3617, 0.5510



18.6345, 0.3601, 0.5523



9.6073, 0.3066, 0.5947



3.2221, 0.3203, 0.3497



13.6702, 0.3610, 0.5516



70.7956, 0.3576, 0.5542

Inverse Universe

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



1.3349, 0.1826, 0.0779



2.2821, 0.1798, 0.0764



2.9716, 0.2853, 0.1346



2.8063, 0.3047, 0.3081



1.6933, 0.1813, 0.0772



8.3809, 0.1757, 0.0742

Previews

White Background



This preview shows how the Yxy color 10.6610, 0.3617, 0.5510 looks on a white background.

Color Contrast Check

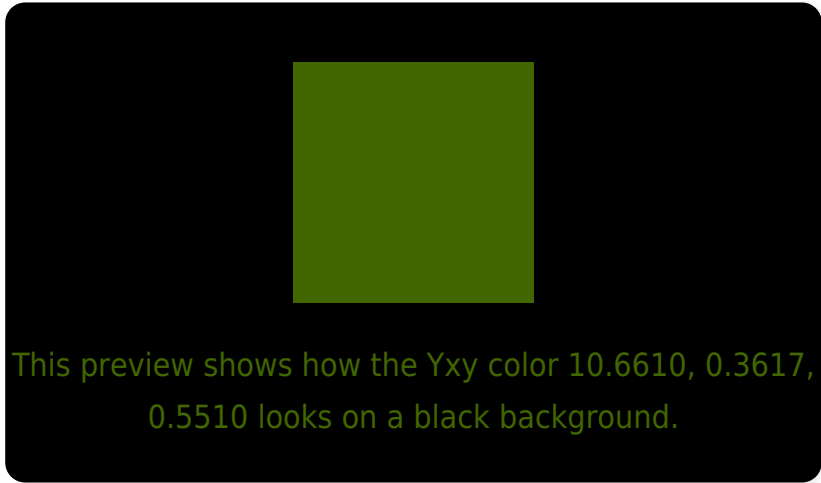
Large Text (above 18pt) WCAG AA ✓ Pass

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

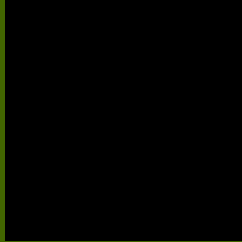
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6610, 0.3617, 0.5510

Background



This preview shows how black text looks on a background with the Yxy color 10.6610, 0.3617, 0.5510.



This preview shows how white text looks on a background with the Yxy color 10.6610, 0.3617, 0.5510.

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

10.6610, 0.3617, 0.5510

Protanopia

10.5379, 0.4383, 0.4902

Deuteranopia

10.5799, 0.4578, 0.4511



Tritanopia

10.7215, 0.2776, 0.3116

Trichromacy



Original Color

10.6610, 0.3617, 0.5510

Protanomaly

10.5394, 0.4091, 0.5134

Deuteranomaly

10.2800, 0.4233, 0.4870

Tritanomaly

10.5335, 0.3201, 0.4178

Monochromacy



Original Color

10.6610, 0.3617, 0.5510

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.7143, 0.3469, 0.4325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6610, 0.3617, 0.5510 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(66, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 102, 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(66, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 10.6610, 0.3617, 0.5510 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(66, 102, 0) }
```

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

```
.border{ border-color:rgb(66, 102, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 102, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6610, 0.3617, 0.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 102, 0) }
```

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

```
.background{ background-color: rgb(66, 102,  
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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