

Converting Colors

$Y_{xy}(14.6001, 0.3108, 0.5765)$

Have a look what the booklet for
Yxy(14.6001, 0.3108, 0.5765)
contains.

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Color

Yxy(14.5577, 0.3112, 0.5761)

Conversions

Conversions Part 1

Format	Color
Hex	237B0F
RGB	35, 123, 15
RGB Percent	14%, 48%, 6%
CMY	0.8625, 0.5177, 0.9411
CMYK	0.71, 0.00, 0.88, 0.52
HSL	109°, 78%, 27%
HSV	109°, 88%, 48%
XYZ	7.8638, 14.5577, 2.8479
YIQ	84.3760, -17.7800, -52.2440

Conversions

Conversions Part 2

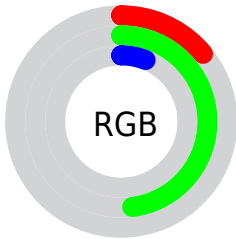
Format	Color
RYB	15, 123, 103
Decimal	2325263
CIELab	45.02, -45.16, 45.84
CIElCh	45, 64.347, 134.567
Yxy	14.5577, 0.3112, 0.5761
Android (android.graphics.Color)	4280515343 (0xFF237B0F)
YUV	84.3760, -34.2024, -43.3028
Hunter-Lab	38.1546, -29.9808, 22.2828

Details

The Yxy color **14.5577, 0.3112, 0.5761** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **4.6533, 0.2817, 0.1404**, and the grayscale version is **9.0267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8725, 0.3203, 0.5107**, and **4.7651, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **14.3786, 0.3082, 0.5908**, and if you desaturate by 10%, it is **14.8056, 0.3141, 0.5556**.

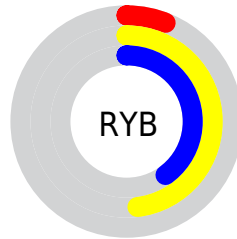
Distribution



Red (14%)

Green (48%)

Blue (6%)



Red (6%)

Yellow (48%)

Blue (40%)

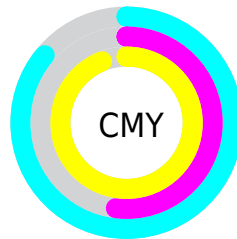


Cyan (71%)

Magenta (0%)

Yellow (88%)

Black (52%)



Cyan (86%)


Magenta (52%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 14.5577, 0.3112, 0.5761 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 14.5577, 0.3112, 0.5761 by changing the saturation by 10% instead.


 14.5577, 0.3112,
0.5761


 14.5577, 0.3112,
0.5761


220.6732, 0.3225,
0.4210


 8.5096, 0.2988,
0.6263


 34.0754, 0.3205,
0.5108


 4.4227, 0.2818,
0.7182

 48.3137, 0.3221,
0.4890


 1.9127, 0.2001,
0.7999

 66.0508, 0.3228,
0.4717

 0.5560, 0.0000,
1.0000


 87.6713, 0.3231,
0.4577


 0.0000, 0.0000,
0.0000

 113.5593, 0.3231,
0.4461


 144.0994, 0.3230,

0.4364


 179.6759, 0.3228,
0.4281


 14.5577, 0.3112,
0.5761

 14.5577, 0.3112,
0.5761


 14.3786, 0.3082,
0.5908


 14.8056, 0.3141,
0.5556

 14.3455, 0.3077,
0.5939

 15.1309, 0.3162,
0.5293

 15.5402, 0.3175,
0.4990

 16.0390, 0.3179,
0.4667

 16.6325, 0.3176,
0.4343

■ 17.3252, 0.3168,
0.4031

■ 18.1214, 0.3155,
0.3741

■ 19.0252, 0.3140,
0.3477

■ 20.0405, 0.3123,
0.3240

Harmonies

Analogous

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



14.5577, 0.4225, 0.5378



14.5577, 0.3112, 0.5761



14.5577, 0.2056, 0.4847

Triad

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



14.5577, 0.3112, 0.5761



14.5577, 0.1263, 0.1626



14.5577, 0.5200, 0.2892

Complementary

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



14.5577, 0.3112, 0.5761



4.6533, 0.2817, 0.1404

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.



14.5577, 0.3982, 0.2219



14.5577, 0.3112, 0.5761



14.5577, 0.1741, 0.1531

Square

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



14.5577, 0.3112, 0.5761



14.5577, 0.1135, 0.2122



14.5577, 0.2658, 0.1739



14.5577, 0.5614, 0.3647

Rectangle

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



14.5577, 0.3112, 0.5761



14.5577, 0.1541, 0.3750



14.5577, 0.2658, 0.1739



14.5577, 0.4856, 0.2655

Sweetspot

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



14.5583, 0.3112, 0.5761



31.1805, 0.3167, 0.3997



13.6310, 0.4468, 0.4704



7.2550, 0.3170, 0.4082



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



14.5583, 0.3112, 0.5761



25.6408, 0.3065, 0.5948



14.4757, 0.2848, 0.5284



4.4825, 0.3142, 0.3509



14.8390, 0.3076, 0.5940



70.5046, 0.3052, 0.5958

Inverse Universe

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



4.6533, 0.2817, 0.1404



7.3731, 0.2748, 0.1288



5.3015, 0.3957, 0.2054



4.0417, 0.3110, 0.3077



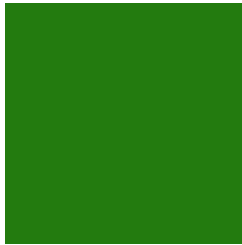
4.2902, 0.2759, 0.1293



20.1214, 0.2734, 0.1280

Previews

White Background



This preview shows how the Yxy color 14.5577, 0.3112, 0.5761 looks on a white background.

Color Contrast Check

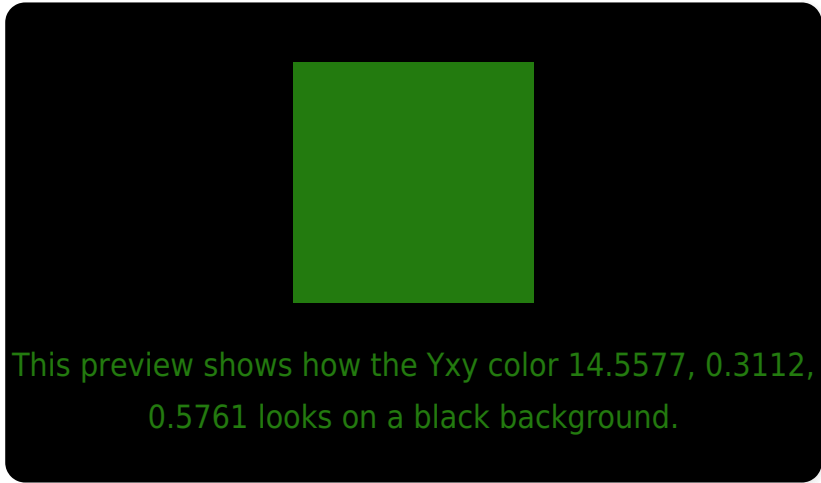
Large Text (above 18pt) WCAG AA ✓ Pass

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

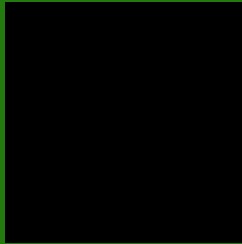
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5577, 0.3112, 0.5761

Background



This preview shows how black text looks on a background with the Yxy color 14.5577, 0.3112, 0.5761.



This preview shows how white text looks on a background with the Yxy color 14.5577, 0.3112, 0.5761.

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

14.5577, 0.3112, 0.5761

Protanopia

14.3209, 0.4373, 0.4836

Deuteranopia

14.3876, 0.4524, 0.4470



Tritanopia

14.4820, 0.2447, 0.3061

Trichromacy



Original Color

14.5577, 0.3112, 0.5761

Protanomaly

13.7363, 0.3814, 0.5252

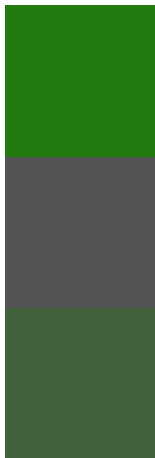
Deuteranomaly

13.5489, 0.3902, 0.5000

Tritanomaly

14.0927, 0.2751, 0.4135

Monochromacy



Original Color

14.5577, 0.3112, 0.5761

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

10.2094, 0.3173, 0.4376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5577, 0.3112, 0.5761 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(35, 123, 15)` looks like.

```
.text, #text, p{  
    color:rgb(35, 123, 15)  
}
```

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(35, 123, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 123, 15) }
```

Border

The CSS property to change the border of an element to Yxy 14.5577, 0.3112, 0.5761 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(35, 123, 15) }
```

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

```
.border{ border-color:rgb(35, 123, 15) }
```

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

Here you see how a box with a 4 pixel rgb(35, 123, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 123, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 123, 15);  
box-shadow:4px 4px 4px 4px rgb(35, 123,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5577, 0.3112, 0.5761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 123, 15) }
```

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

```
.background{ background-color: rgb(35, 123,  
15) }
```

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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