

Converting Colors

$Y_{xy}(21.3665, 0.3313, 0.5656)$

Have a look what the booklet for
Yxy(21.3665, 0.3313, 0.5656)
contains.

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Color

Yxy(21.5114, 0.3312, 0.5660)

Conversions

Conversions Part 1

Format	Color
Hex	44910E
RGB	68, 145, 14
RGB Percent	27%, 57%, 5%
CMY	0.7334, 0.4314, 0.9447
CMYK	0.53, 0.00, 0.90, 0.43
HSL	95°, 82%, 31%
HSV	95°, 90%, 57%
XYZ	12.5876, 21.5114, 3.9070
YIQ	107.0430, -3.8410, -57.0650

Conversions

Conversions Part 2

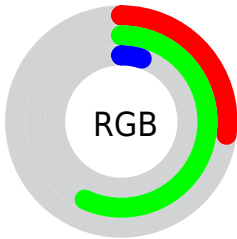
Format	Color
RYB	14, 145, 91
Decimal	4493582
CIELab	53.50, -44.73, 53.87
CIElCh	54, 70.017, 129.703
Yxy	21.5114, 0.3312, 0.5660
Android (android.graphics.Color)	4282683662 (0xFF44910E)
YUV	107.0430, -45.8702, -34.2407
Hunter-Lab	46.3804, -32.7210, 27.4718

Details

The Yxy color **21.5114, 0.3312, 0.5660** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.5913, 0.2320, 0.1110**, and the grayscale version is **14.8474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0881, 0.3353, 0.5117**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **21.2032, 0.3267, 0.5788**, and if you desaturate by 10%, it is **21.8964, 0.3348, 0.5485**.

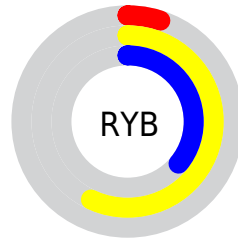
Distribution



Red (27%)

Green (57%)

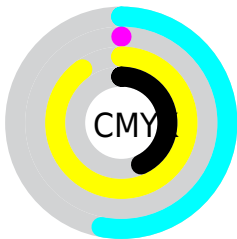
Blue (5%)



Red (5%)

Yellow (57%)

Blue (36%)

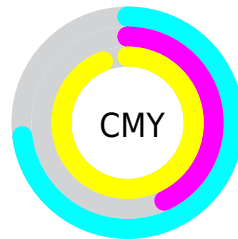


Cyan (53%)

Magenta (0%)

Yellow (90%)

Black (43%)



Cyan (73%)


Magenta (43%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5114, 0.3312, 0.5660 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 21.5114, 0.3312, 0.5660 by changing the saturation by 10% instead.


 21.5114, 0.3312,
0.5660


 21.5114, 0.3312,
0.5660


259.9840, 0.3315,
0.4268


 13.4983, 0.3239,
0.6055


 45.9371, 0.3356,
0.5110

 7.7726, 0.3120,
0.6647


 63.1185, 0.3357,
0.4915


 3.9498, 0.2759,
0.7241

 84.1249, 0.3353,
0.4756

 1.6455, 0.1667,
0.8333

 109.3405, 0.3347,
0.4625

 0.3880, 0.0000,
1.0000


 139.1498, 0.3339,
0.4514


 0.0000, 0.0000,
0.0000


 173.9373, 0.3331,

0.4420


 214.0872, 0.3323,
0.4339


 21.5114, 0.3312,
0.5660


 21.5114, 0.3312,
0.5660

 21.2032, 0.3267,
0.5788

 21.8964, 0.3348,
0.5485

 22.3605, 0.3366,
0.5258

 22.9107, 0.3365,
0.4989

 23.5522, 0.3348,
0.4696

 24.2897, 0.3318,
0.4394

■ 25.1275, 0.3277,
0.4095

■ 26.0698, 0.3230,
0.3809

■ 27.1202, 0.3180,
0.3542

■ 28.2825, 0.3129,
0.3297

Harmonies

Analogous

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



21.5114, 0.4375, 0.5193



21.5114, 0.3312, 0.5660



21.5114, 0.2257, 0.4989

Triad

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



21.5114, 0.3312, 0.5660



21.5114, 0.1277, 0.1731



21.5114, 0.4961, 0.2803

Complementary

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



21.5114, 0.3312, 0.5660



4.5913, 0.2320, 0.1110

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.



21.5114, 0.3731, 0.2166



21.5114, 0.3312, 0.5660



21.5114, 0.1686, 0.1580

Square

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



21.5114, 0.3312, 0.5660



21.5114, 0.1207, 0.2302



21.5114, 0.2505, 0.1736



21.5114, 0.5518, 0.3535

Rectangle

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



21.5114, 0.3312, 0.5660



21.5114, 0.1706, 0.3989



21.5114, 0.2505, 0.1736



21.5114, 0.4596, 0.2575

Sweetspot

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



21.5123, 0.3312, 0.5660



45.4365, 0.3265, 0.4015



13.4418, 0.4970, 0.4323



10.0003, 0.3278, 0.4103



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.5123, 0.3312, 0.5660



37.8719, 0.3253, 0.5799



20.4167, 0.2978, 0.5799



6.1310, 0.3174, 0.3513



18.1999, 0.3272, 0.5784



0.1864, 0.3619, 0.5509

Inverse Universe

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



4.5913, 0.2320, 0.1110



7.0428, 0.2205, 0.0988



8.0606, 0.3399, 0.1697



5.4019, 0.3076, 0.3069



3.4383, 0.2229, 0.1002



0.0458, 0.2674, 0.1247

Previews

White Background



This preview shows how the Yxy color 21.5114, 0.3312, 0.5660 looks on a white 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

Black Background



This preview shows how the Yxy color 21.5114, 0.3312, 0.5660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

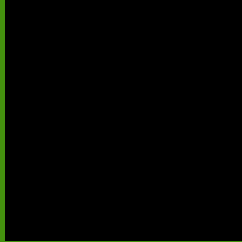
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5114, 0.3312, 0.5660

Background



This preview shows how black text looks on a background with the Yxy color 21.5114, 0.3312, 0.5660.



This preview shows how white text looks on a background with the Yxy color 21.5114, 0.3312, 0.5660.

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

21.5114, 0.3312, 0.5660

Protanopia

21.0271, 0.4390, 0.4874

Deuteranopia

21.2526, 0.4577, 0.4505



Tritanopia

21.4780, 0.2563, 0.3079

Trichromacy



Original Color

21.5114, 0.3312, 0.5660

Protanomaly

20.7807, 0.3947, 0.5200

Deuteranomaly

20.5475, 0.4079, 0.4957

Tritanomaly

21.0964, 0.2921, 0.4155

Monochromacy



Original Color

21.5114, 0.3312, 0.5660

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.4829, 0.3316, 0.4354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5114, 0.3312, 0.5660 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(68, 145, 14)` looks like.

```
.text, #text, p{  
    color:rgb(68, 145, 14)  
}
```

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(68, 145, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 145, 14) }
```

Border

The CSS property to change the border of an element to Yxy 21.5114, 0.3312, 0.5660 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(68, 145, 14) }
```

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

```
.border{ border-color:rgb(68, 145, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 145, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 145, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 145, 14);  
box-shadow:4px 4px 4px 4px rgb(68, 145,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5114, 0.3312, 0.5660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 145, 14) }
```

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

```
.background{ background-color: rgb(68, 145,  
14) }
```

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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