

Converting Colors

$Y_{xy}(21.2070, 0.3445, 0.5647)$

Have a look what the booklet for
Yxy(21.2070, 0.3445, 0.5647)
contains.

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Color

Yxy(21.2646, 0.3443, 0.5648)

Conversions

Conversions Part 1

Format	Color
Hex	4E8F00
RGB	78, 143, 0
RGB Percent	31%, 56%, 0%
CMY	0.6942, 0.4392, 0.9998
CMYK	0.45, 0.00, 1.00, 0.44
HSL	87°, 100%, 28%
HSV	87°, 100%, 56%
XYZ	12.9628, 21.2646, 3.4224
YIQ	107.2630, 7.1630, -58.2530

Conversions

Conversions Part 2

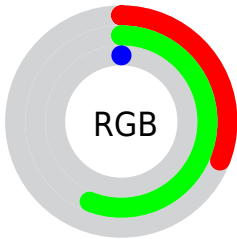
Format	Color
RYB	0, 143, 65
Decimal	5148416
CIELab	53.24, -41.07, 56.26
CIELCh	53, 69.654, 126.130
Yxy	21.2646, 0.3443, 0.5648
Android (android.graphics.Color)	4283338496 (0xFF4E8F00)
YUV	107.2630, -52.8807, -25.6637
Hunter-Lab	46.1136, -30.5212, 27.8792

Details

The Yxy color **21.2646, 0.3443, 0.5648** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1111, 0.1959, 0.0853**, and the grayscale version is **14.9285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4182, 0.3470, 0.5111**, and **7.7735, 0.3094, 0.5926** is the 20% darker color. If you saturate the color by 10%, you get **21.2645, 0.3443, 0.5648**, and if you desaturate by 10%, it is **21.5865, 0.3482, 0.5525**.

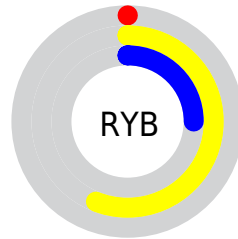
Distribution



Red (31%)

Green (56%)

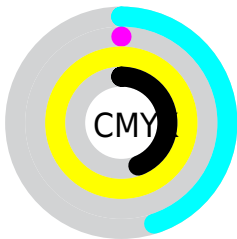
Blue (0%)



Red (0%)

Yellow (56%)

Blue (25%)

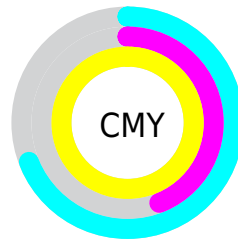


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (69%)


Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2646, 0.3443, 0.5648 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 21.2646, 0.3443, 0.5648 by changing the saturation by 10% instead.


 21.2646, 0.3443,
0.5648


 21.2646, 0.3443,
0.5648


258.6814, 0.3380,
0.4279


 13.3176, 0.3383,
0.6023


 45.5275, 0.3464,
0.5114

 7.6476, 0.3306,
0.6631


 62.6121, 0.3456,
0.4923


 3.8703, 0.2921,
0.7079

 83.5114, 0.3445,
0.4766

 1.6013, 0.1960,
0.8040

 108.6097, 0.3431,
0.4635


 0.3585, 0.0000,
1.0000


 138.2915, 0.3418,
0.4525


 0.0000, 0.0000,
0.0000


 172.9411, 0.3404,

0.4430

 212.9429, 0.3392,
0.4349

 21.2646, 0.3443,
0.5648


 21.2646, 0.3443,
0.5648


 21.2645, 0.3443,
0.5648

 21.5865, 0.3482,
0.5525

 21.9572, 0.3507,
0.5364

 22.3893, 0.3509,
0.5155

 22.8876, 0.3491,
0.4909

 23.4561, 0.3454,
0.4637

■ 24.0987, 0.3402,
0.4353

■ 24.8188, 0.3340,
0.4068

■ 25.6194, 0.3271,
0.3793

■ 26.5035, 0.3199,
0.3532

Harmonies

Analogous

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



21.2646, 0.4492, 0.5098



21.2646, 0.3443, 0.5648



21.2646, 0.2375, 0.5134

Triad

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



21.2646, 0.3443, 0.5648



21.2646, 0.1253, 0.1775



21.2646, 0.4837, 0.2721

Complementary

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



21.2646, 0.3443, 0.5648



3.1111, 0.1959, 0.0853

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.



21.2646, 0.3572, 0.2103



21.2646, 0.3443, 0.5648



21.2646, 0.1619, 0.1582

Square

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



21.2646, 0.3443, 0.5648



21.2646, 0.1223, 0.2409



21.2646, 0.2385, 0.1704



21.2646, 0.5497, 0.3445

Rectangle

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



21.2646, 0.3443, 0.5648



21.2646, 0.1792, 0.4177



21.2646, 0.2385, 0.1704



21.2646, 0.4449, 0.2498

Sweetspot

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



21.2655, 0.3443, 0.5648



44.3515, 0.3344, 0.4087



9.5501, 0.5520, 0.3999



10.0560, 0.3368, 0.4194



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.



21.2655, 0.3443, 0.5648



37.9747, 0.3429, 0.5659



19.6934, 0.3014, 0.5988



6.1651, 0.3193, 0.3512



18.8125, 0.3446, 0.5646



0.1930, 0.3774, 0.5385

Inverse Universe

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



3.1111, 0.1959, 0.0853



5.4681, 0.1938, 0.0841



7.2069, 0.3087, 0.1474



5.3676, 0.3056, 0.3067



2.7610, 0.1964, 0.0855



0.0392, 0.2460, 0.1129

Previews

White Background



This preview shows how the Yxy color 21.2646, 0.3443, 0.5648 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 21.2646, 0.3443, 0.5648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

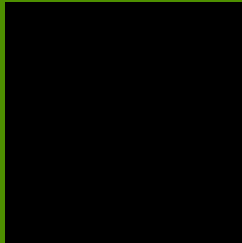
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2646, 0.3443, 0.5648

Background



This preview shows how black text looks on a background with the Yxy color 21.2646, 0.3443, 0.5648.



This preview shows how white text looks on a background with the Yxy color 21.2646, 0.3443, 0.5648.

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

21.2646, 0.3443, 0.5648

Protanopia

21.0184, 0.4400, 0.4889

Deuteranopia

20.8926, 0.4596, 0.4522



Tritanopia

21.2755, 0.2642, 0.3081

Trichromacy



Original Color

21.2646, 0.3443, 0.5648

Protanomaly

20.6970, 0.4014, 0.5194

Deuteranomaly

20.2278, 0.4171, 0.4953

Tritanomaly

20.7879, 0.3052, 0.4231

Monochromacy



Original Color

21.2646, 0.3443, 0.5648

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

16.3371, 0.3412, 0.4430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2646, 0.3443, 0.5648 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(78, 143, 0)` looks like.

```
.text, #text, p{  
    color:rgb(78, 143, 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(78, 143, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 143, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.2646, 0.3443, 0.5648 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(78, 143, 0) }
```

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

```
.border{ border-color:rgb(78, 143, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 143, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 143, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 143, 0);  
box-shadow:4px 4px 4px 4px rgb(78, 143, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2646, 0.3443, 0.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 143, 0) }
```

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

```
.background{ background-color: rgb(78, 143,  
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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