

Converting Colors

$Y_{xy}(11.2646, 0.3553, 0.5245)$

Have a look what the booklet for
Yxy(11.2646, 0.3553, 0.5245)
contains.

Yxy(11.2646, 0.3553, 0.5245)	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(11.2646, 0.3553, 0.5245)

Conversions

Conversions Part 1

Format	Color
Hex	466817
RGB	70, 104, 23
RGB Percent	27%, 41%, 9%
CMY	0.7255, 0.5921, 0.9099
CMYK	0.33, 0.00, 0.78, 0.59
HSL	85°, 64%, 25%
HSV	85°, 78%, 41%
XYZ	7.6307, 11.2646, 2.5815
YIQ	84.6000, 5.7370, -32.3990

Conversions

Conversions Part 2

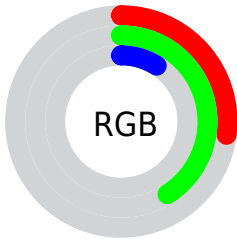
Format	Color
R_{YB}	23, 104, 57
Decimal	4614167
CIE _{Lab}	40.02, -25.78, 39.13
CIE _{LCh}	40, 46.862, 123.374
Yxy	11.2646, 0.3553, 0.5245
Android (android.graphics.Color)	4282804247 (0xFF466817)
YUV	84.6000, -30.3688, -12.8042
Hunter-Lab	33.5628, -18.1517, 18.9336

Details

The Yxy color **11.2646, 0.3553, 0.5245** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.4808, 0.2211, 0.1221**, and the grayscale version is **9.0600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.9887, 0.3503, 0.4711**, and **2.9878, 0.3316, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **11.0748, 0.3543, 0.5418**, and if you desaturate by 10%, it is **11.4835, 0.3541, 0.5031**.

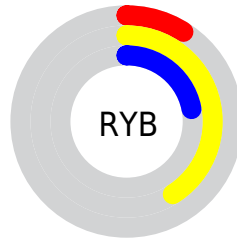
Distribution



Red (27%)

Green (41%)

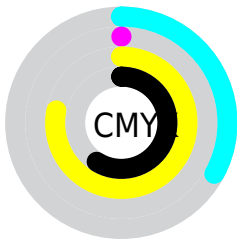
Blue (9%)



Red (9%)

Yellow (41%)

Blue (22%)

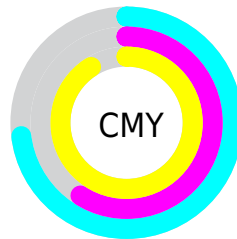


Cyan (33%)

Magenta (0%)

Yellow (78%)

Black (59%)



Cyan (73%)


Magenta (59%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.2646, 0.3553, 0.5245 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 11.2646, 0.3553, 0.5245 by changing the saturation by 10% instead.


 11.2646, 0.3553,
0.5245


 11.2646, 0.3553,
0.5245


199.4740, 0.3361,
0.4009


 6.2451, 0.3542,
0.5658


 28.1484, 0.3508,
0.4719


 2.9947, 0.3554,
0.6446

 40.7815, 0.3480,
0.4545


 1.1290, 0.2736,
0.7264

 56.7213, 0.3455,
0.4408

 0.0025, 0.0000,
1.0000


 76.3522, 0.3431,
0.4297


 0.0000, 0.0000,
0.0000


 100.0585, 0.3411,
0.4206


 128.2246, 0.3392,

0.4130


 161.2350, 0.3376,
0.4065

 11.2646, 0.3553,
0.5245


 11.2646, 0.3553,
0.5245


 11.0748, 0.3543,
0.5418

 11.4835, 0.3541,
0.5031


 10.9067, 0.3520,
0.5561

 11.7321, 0.3510,
0.4787

 10.8730, 0.3515,
0.5591

 12.0125, 0.3463,
0.4524

 12.3264, 0.3403,
0.4252

 12.6751, 0.3335,
0.3982

■ 13.0601, 0.3262,
0.3721

■ 13.4826, 0.3187,
0.3473

■ 13.9438, 0.3112,
0.3243

■ 14.4448, 0.3039,
0.3031

Harmonies

Analogous

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



11.2646, 0.4441, 0.4837



11.2646, 0.3553, 0.5245



11.2646, 0.2607, 0.4858

Triad

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



11.2646, 0.3553, 0.5245



11.2646, 0.1467, 0.2027



11.2646, 0.4472, 0.2766

Complementary

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



11.2646, 0.3553, 0.5245



2.4808, 0.2211, 0.1221

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.



11.2646, 0.3413, 0.2222



11.2646, 0.3553, 0.5245



11.2646, 0.1774, 0.1804

Square

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



11.2646, 0.3553, 0.5245



11.2646, 0.1482, 0.2650



11.2646, 0.2427, 0.1883



11.2646, 0.5107, 0.3424

Rectangle

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



11.2646, 0.3553, 0.5245



11.2646, 0.2069, 0.4139



11.2646, 0.2427, 0.1883



11.2646, 0.4141, 0.2567

Sweetspot

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



11.2651, 0.3553, 0.5245



22.5159, 0.3304, 0.3869



5.9056, 0.4947, 0.3995



5.4489, 0.3324, 0.3942



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.2651, 0.3553, 0.5245



19.2027, 0.3522, 0.5520



10.2349, 0.3069, 0.5576



3.2136, 0.3194, 0.3497



13.3836, 0.3508, 0.5597



69.2802, 0.3471, 0.5626

Inverse Universe

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



2.4808, 0.2211, 0.1221



2.9896, 0.1984, 0.0915



4.1667, 0.3053, 0.1639



2.8146, 0.3056, 0.3081



1.8642, 0.1918, 0.0830



9.2307, 0.1861, 0.0799

Previews

White Background



This preview shows how the Yxy color 11.2646, 0.3553, 0.5245 looks on a white background.

Color Contrast Check

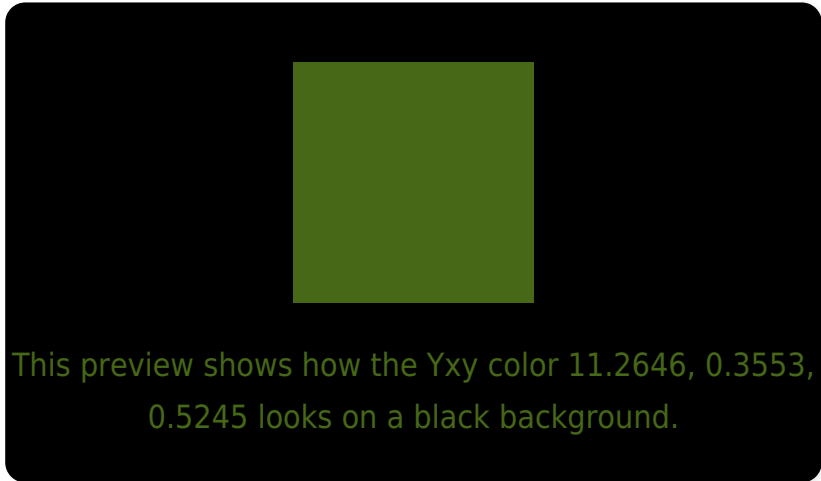
Large Text (above 18pt) WCAG AA ✓ Pass

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

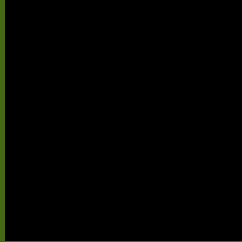
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.2646, 0.3553, 0.5245

Background



This preview shows how black text looks on a background with the Yxy color 11.2646, 0.3553, 0.5245.



This preview shows how white text looks on a background with the Yxy color 11.2646, 0.3553, 0.5245.

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

11.2646, 0.3553, 0.5245

Protanopia

11.1201, 0.4292, 0.4738

Deuteranopia

11.0900, 0.4486, 0.4411



Tritanopia

11.2748, 0.2783, 0.3096

Trichromacy



Original Color

11.2646, 0.3553, 0.5245

Protanomaly

11.1167, 0.4005, 0.4938

Deuteranomaly

10.8512, 0.4151, 0.4709

Tritanomaly

11.1588, 0.3111, 0.3941

Monochromacy



Original Color

11.2646, 0.3553, 0.5245

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.7076, 0.3375, 0.4092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.2646, 0.3553, 0.5245 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(70, 104, 23)` looks like.

```
.text, #text, p{  
    color:rgb(70, 104, 23)  
}
```

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(70, 104, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 104, 23) }
```

Border

The CSS property to change the border of an element to Yxy 11.2646, 0.3553, 0.5245 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(70, 104, 23) }
```

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

```
.border{ border-color:rgb(70, 104, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 104, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 104, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 104, 23);  
box-shadow:4px 4px 4px 4px rgb(70, 104,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 11.2646, 0.3553, 0.5245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 104, 23) }
```

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

```
.background{ background-color: rgb(70, 104,  
23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor