

Converting Colors

$Y_{xy}(21.0781, 0.3745, 0.5360)$

Have a look what the booklet for
Yxy(21.0781, 0.3745, 0.5360)
contains.

Yxy(21.0781, 0.3745, 0.5360)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(21.0781, 0.3745, 0.5360)

Conversions

Conversions Part 1

Format	Color
Hex	678A08
RGB	103, 138, 8
RGB Percent	40%, 54%, 3%
CMY	0.5960, 0.4588, 0.9689
CMYK	0.25, 0.00, 0.94, 0.46
HSL	76°, 89%, 29%
HSV	76°, 94%, 54%
XYZ	14.7271, 21.0781, 3.5196
YIQ	112.7150, 20.8700, -47.8500

Conversions

Conversions Part 2

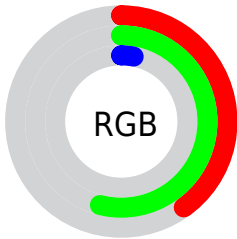
Format	Color
RYB	8, 138, 43
Decimal	6785544
CIELab	53.03, -29.01, 55.32
CIElCh	53, 62.462, 117.675
Yxy	21.0781, 0.3745, 0.5360
Android (android.graphics.Color)	4284975624 (0xFF678A08)
YUV	112.7150, -51.6245, -8.5201
Hunter-Lab	45.9109, -23.0854, 27.5924

Details

The Yxy color **21.0781, 0.3745, 0.5360** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.5186, 0.1748, 0.0777**, and the grayscale version is **16.5749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4233, 0.3687, 0.4914**, and **7.6833, 0.3527, 0.5582** is the 20% darker color. If you saturate the color by 10%, you get **20.9372, 0.3736, 0.5416**, and if you desaturate by 10%, it is **21.3430, 0.3753, 0.5248**.

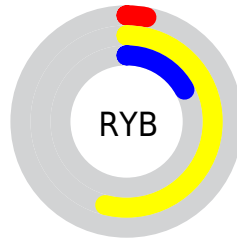
Distribution



Red (40%)

Green (54%)

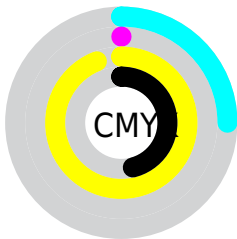
Blue (3%)



Red (3%)

Yellow (54%)

Blue (17%)

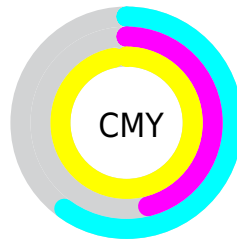


Cyan (25%)

Magenta (0%)

Yellow (94%)

Black (46%)



Cyan (60%)


Magenta (46%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0781, 0.3745, 0.5360 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 21.0781, 0.3745, 0.5360 by changing the saturation by 10% instead.


 21.0781, 0.3745,
0.5360


 21.0781, 0.3745,
0.5360


 257.6933, 0.3495,
0.4186


 13.1811, 0.3746,
0.5667


 45.2175, 0.3688,
0.4912

 7.5534, 0.3755,
0.6152


 62.2286, 0.3654,
0.4748

 3.8105, 0.3501,
0.6499

 83.0467, 0.3622,
0.4613

 1.5681, 0.2973,
0.7027

 108.0559, 0.3591,
0.4499


 0.3360, 0.0000,
1.0000


 137.6408, 0.3564,
0.4403


 0.0000, 0.0000,
0.0000

 172.1857, 0.3538,


0.4320


 212.0751, 0.3516,
0.4249


 21.0781, 0.3745,
0.5360

 21.0781, 0.3745,
0.5360


 20.9372, 0.3736,
0.5416

 21.3430, 0.3753,
0.5248

 21.6449, 0.3738,
0.5093

 21.9891, 0.3698,
0.4896

 22.3793, 0.3638,
0.4668

 22.8184, 0.3561,
0.4418

■ 23.3091, 0.3471,
0.4156

■ 23.8541, 0.3373,
0.3893

■ 24.4556, 0.3272,
0.3636

■ 25.1158, 0.3170,
0.3390

Harmonies

Analogous

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



21.0781, 0.4660, 0.4780



21.0781, 0.3745, 0.5360



21.0781, 0.2735, 0.5169

Triad

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



21.0781, 0.3745, 0.5360



21.0781, 0.1346, 0.2024



21.0781, 0.4379, 0.2602

Complementary

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



21.0781, 0.3745, 0.5360



2.5186, 0.1748, 0.0777

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.



21.0781, 0.3206, 0.2067



21.0781, 0.3745, 0.5360



21.0781, 0.1602, 0.1729

Square

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



21.0781, 0.3745, 0.5360



21.0781, 0.1422, 0.2772



21.0781, 0.2213, 0.1761



21.0781, 0.5187, 0.3272

Rectangle

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



21.0781, 0.3745, 0.5360



21.0781, 0.2132, 0.4465



21.0781, 0.2213, 0.1761



21.0781, 0.3998, 0.2404

Sweetspot

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



21.0790, 0.3745, 0.5360



41.6180, 0.3416, 0.4007



7.1203, 0.5834, 0.3652



9.2545, 0.3453, 0.4106



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.0790, 0.3745, 0.5360



36.8253, 0.3726, 0.5423



18.6117, 0.3121, 0.5844



5.7785, 0.3219, 0.3509



19.2038, 0.3738, 0.5414



0.1348, 0.3963, 0.5235

Inverse Universe

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



2.5186, 0.1748, 0.0777



3.8629, 0.1667, 0.0692



5.1732, 0.2673, 0.1279



4.9531, 0.3030, 0.3067



2.0514, 0.1688, 0.0704



0.0200, 0.2117, 0.0940

Previews

White Background



This preview shows how the Yxy color 21.0781, 0.3745, 0.5360 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 21.0781, 0.3745, 0.5360 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 21.0781, 0.3745, 0.5360

Background



This preview shows how black text looks on a background with the Yxy color 21.0781, 0.3745, 0.5360.



This preview shows how white text looks on a background with the Yxy color 21.0781, 0.3745, 0.5360.

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

21.0781, 0.3745, 0.5360

Deuteranopia

20.8785, 0.4612, 0.4542

Tritanopia

20.9182, 0.2877, 0.3106

Trichromacy



Original Color

21.0781, 0.3745, 0.5360

Deuteranomaly

20.7147, 0.4297, 0.4849

Tritanomaly

20.6374, 0.3317, 0.4100

Monochromacy



Original Color

21.0781, 0.3745, 0.5360

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.6783, 0.3501, 0.4258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0781, 0.3745, 0.5360 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(103, 138, 8)` looks like.

```
.text, #text, p{  
    color:rgb(103, 138, 8)  
}
```

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(103, 138, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 138, 8) }
```

Border

The CSS property to change the border of an element to Yxy 21.0781, 0.3745, 0.5360 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(103, 138, 8) }
```

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

```
.border{ border-color:rgb(103, 138, 8) }
```

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

Here you see how a box with a 4 pixel rgb(103, 138, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 138, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 138, 8);  
box-shadow:4px 4px 4px 4px rgb(103, 138,  
8) }
```

Background

The CSS property to change the background color of an element to Yxy 21.0781, 0.3745, 0.5360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 138, 8) }
```

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

```
.background{ background-color: rgb(103,  
138, 8) }
```

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