

Converting Colors

$Yxy(34.6177, 0.3626, 0.5417)$

Have a look what the booklet for
Yxy(34.6177, 0.3626, 0.5417)
contains.

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Color

Yxy(34.7035, 0.3623, 0.5419)

Conversions

Conversions Part 1

Format	Color
Hex	78AF14
RGB	120, 175, 20
RGB Percent	47%, 69%, 8%
CMY	0.5294, 0.3137, 0.9217
CMYK	0.31, 0.00, 0.89, 0.31
HSL	81°, 80%, 38%
HSV	81°, 89%, 69%
XYZ	23.2018, 34.7035, 6.1351
YIQ	140.8850, 16.9750, -59.8650

Conversions

Conversions Part 2

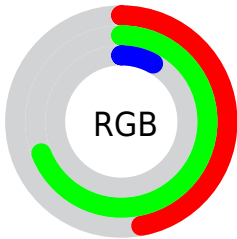
Format	Color
RYB	20, 175, 75
Decimal	7909140
CIELab	65.52, -38.88, 63.87
CIELCh	66, 74.776, 121.330
Yxy	34.7035, 0.3623, 0.5419
Android (android.graphics.Color)	4286099220 (0xFF78AF14)
YUV	140.8850, -59.5963, -18.3161
Hunter-Lab	58.9097, -32.7889, 35.0621

Details

The Yxy color **34.7035, 0.3623, 0.5419** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.0886, 0.1912, 0.0894**, and the grayscale version is **26.8209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1390, 0.3598, 0.5001**, and **15.0091, 0.3424, 0.5663** is the 20% darker color. If you saturate the color by 10%, you get **34.2304, 0.3590, 0.5522**, and if you desaturate by 10%, it is **35.2496, 0.3635, 0.5272**.

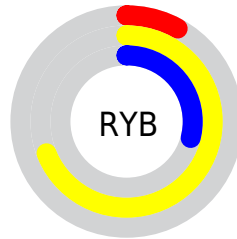
Distribution



Red (47%)

Green (69%)

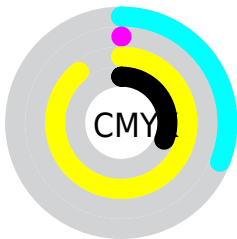
Blue (8%)



Red (8%)

Yellow (69%)

Blue (29%)

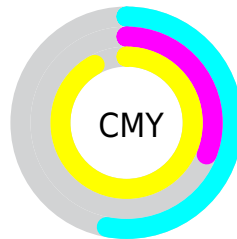


Cyan (31%)

Magenta (0%)

Yellow (89%)

Black (31%)



Cyan (53%)


Magenta (31%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7035, 0.3623, 0.5419 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 34.7035, 0.3623, 0.5419 by changing the saturation by 10% instead.


 34.7035, 0.3623,
0.5419


 34.7035, 0.3623,
0.5419


323.2577, 0.3465,
0.4286


 23.4346, 0.3612,
0.5694


 67.0262, 0.3599,
0.5005

 14.9147, 0.3560,
0.6027

 88.8487, 0.3579,
0.4849

 8.7596, 0.3479,
0.6521


 114.9579, 0.3557,
0.4717

 4.5847, 0.3131,
0.6869

 145.7382, 0.3537,
0.4605

 2.0057, 0.2542,
0.7458

 181.5739, 0.3517,
0.4508

 0.6108, 0.0000,
1.0000

 222.8494, 0.3498,

 0.0000, 0.0000,

0.4424

0.0000

269.9492, 0.3481,
0.4351

■ 34.7035, 0.3623,
0.5419

■ 34.7035, 0.3623,
0.5419

■ 34.2304, 0.3590,
0.5522

■ 35.2496, 0.3635,
0.5272

■ 34.1669, 0.3585,
0.5535

■ 35.8763, 0.3623,
0.5077

■ 36.5923, 0.3588,
0.4844

■ 37.4038, 0.3533,
0.4584

■ 38.3162, 0.3462,
0.4310

■ 39.3346, 0.3381,
0.4032

■ 40.4636, 0.3294,
0.3760

■ 41.7074, 0.3204,
0.3500

■ 43.0701, 0.3115,
0.3257

Harmonies

Analogous

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



34.7035, 0.4572, 0.4882



34.7035, 0.3623, 0.5419



34.7035, 0.2607, 0.5099

Triad

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



34.7035, 0.3623, 0.5419



34.7035, 0.1343, 0.1952



34.7035, 0.4528, 0.2671

Complementary

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



34.7035, 0.3623, 0.5419



5.0886, 0.1912, 0.0894

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.



34.7035, 0.3350, 0.2109



34.7035, 0.3623, 0.5419



34.7035, 0.1641, 0.1701

Square

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



34.7035, 0.3623, 0.5419



34.7035, 0.1375, 0.2641



34.7035, 0.2304, 0.1769



34.7035, 0.5263, 0.3355

Rectangle

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



34.7035, 0.3623, 0.5419



34.7035, 0.2021, 0.4319



34.7035, 0.2304, 0.1769



34.7035, 0.4154, 0.2464

Sweetspot

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



34.7050, 0.3623, 0.5419



70.6613, 0.3371, 0.4001



14.0925, 0.5527, 0.3843



15.5637, 0.3399, 0.4093



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



34.7050, 0.3623, 0.5419



61.0621, 0.3575, 0.5543



31.2301, 0.3076, 0.5836



9.1859, 0.3210, 0.3518



24.5022, 0.3592, 0.5530



0.7108, 0.3780, 0.5381

Inverse Universe

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



5.0886, 0.1912, 0.0894



7.2711, 0.1763, 0.0745



10.2453, 0.2878, 0.1412



7.8903, 0.3039, 0.3059



2.9836, 0.1790, 0.0760



0.1142, 0.2158, 0.0962

Previews

White Background



This preview shows how the Yxy color 34.7035, 0.3623, 0.5419 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 34.7035, 0.3623, 0.5419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

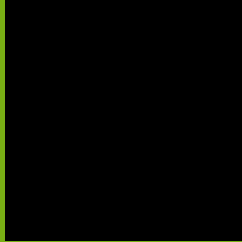
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7035, 0.3623, 0.5419

Background



This preview shows how black text looks on a background with the Yxy color 34.7035, 0.3623, 0.5419.



This preview shows how white text looks on a background with the Yxy color 34.7035, 0.3623, 0.5419.

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

34.7035, 0.3623, 0.5419

Protanopia

34.4117, 0.4382, 0.4854

Deuteranopia

34.0947, 0.4611, 0.4517



Tritanopia

34.6473, 0.2790, 0.3093

Trichromacy



Original Color

34.7035, 0.3623, 0.5419

Protanomaly

34.2168, 0.4096, 0.5069

Deuteranomaly

33.4413, 0.4243, 0.4855

Tritanomaly

33.7946, 0.3198, 0.4077

Monochromacy



Original Color

34.7035, 0.3623, 0.5419

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.6321, 0.3442, 0.4244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7035, 0.3623, 0.5419 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(120, 175, 20)` looks like.

```
.text, #text, p{  
    color:rgb(120, 175, 20)  
}
```

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(120, 175, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 175, 20) }
```

Border

The CSS property to change the border of an element to Yxy 34.7035, 0.3623, 0.5419 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(120, 175, 20) }
```

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

```
.border{ border-color:rgb(120, 175, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 175, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 175, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 175, 20);  
box-shadow:4px 4px 4px 4px rgb(120, 175,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7035, 0.3623, 0.5419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 175, 20) }
```

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

```
.background{ background-color: rgb(120,  
175, 20) }
```

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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