

Converting Colors

$Yxy(34.4545, 0.3619, 0.5504)$

Have a look what the booklet for
Yxy(34.4545, 0.3619, 0.5504)
contains.

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Color

Yxy(34.4440, 0.3622, 0.5502)

Conversions

Conversions Part 1

Format	Color
Hex	75AF01
RGB	117, 175, 1
RGB Percent	46%, 69%, 0%
CMY	0.5411, 0.3137, 0.9957
CMYK	0.33, 0.00, 0.99, 0.31
HSL	80°, 99%, 35%
HSV	80°, 99%, 69%
XYZ	22.6747, 34.4440, 5.4840
YIQ	137.8220, 21.2860, -66.4100

Conversions

Conversions Part 2

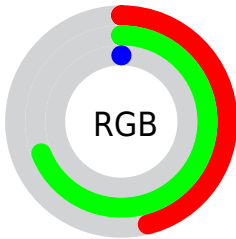
Format	Color
RYB	1, 175, 59
Decimal	7712513
CIELab	65.31, -40.39, 66.34
CIELCh	65, 77.663, 121.334
Yxy	34.4440, 0.3622, 0.5502
Android (android.graphics.Color)	4285902593 (0xFF75AF01)
YUV	137.8220, -67.4532, -18.2609
Hunter-Lab	58.6890, -33.7417, 35.5422

Details

The Yxy color **34.4440, 0.3622, 0.5502** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.0502, 0.1755, 0.0744**, and the grayscale version is **25.6070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6863, 0.3604, 0.5073**, and **14.8797, 0.3379, 0.5699** is the 20% darker color. If you saturate the color by 10%, you get **34.4181, 0.3620, 0.5508**, and if you desaturate by 10%, it is **34.9056, 0.3653, 0.5404**.

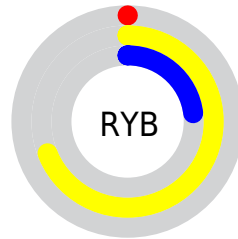
Distribution



Red (46%)

Green (69%)

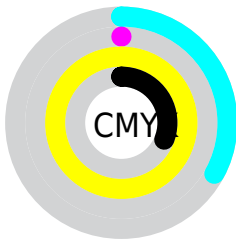
Blue (0%)



Red (0%)

Yellow (69%)

Blue (23%)

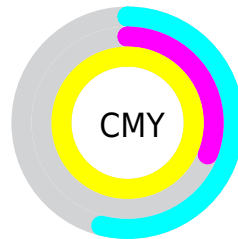


Cyan (33%)

Magenta (0%)

Yellow (99%)

Black (31%)



Cyan (54%)


Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4440, 0.3622, 0.5502 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 34.4440, 0.3622, 0.5502 by changing the saturation by 10% instead.


 34.4440, 0.3622,
0.5502


 34.4440, 0.3622,
0.5502


322.1073, 0.3475,
0.4328


 23.2349, 0.3602,
0.5783


 66.6235, 0.3606,
0.5076

 14.7671, 0.3537,
0.6121


 88.3628, 0.3587,
0.4914


 8.6561, 0.3417,
0.6583


 114.3808, 0.3567,
0.4777

 4.5175, 0.3052,
0.6948

 145.0621, 0.3547,
0.4660

 1.9671, 0.2412,
0.7588

 180.7910, 0.3527,
0.4559

 0.5882, 0.0000,
1.0000

 221.9519, 0.3509,

 0.0000, 0.0000,

0.4472

0.0000

268.9292, 0.3491,
0.4395

34.4440, 0.3622,
0.5502

34.4440, 0.3622,
0.5502

34.4181, 0.3620,
0.5508

34.9056, 0.3653,
0.5404

35.4304, 0.3664,
0.5264

36.0336, 0.3650,
0.5078

36.7222, 0.3613,
0.4852

37.5024, 0.3555,
0.4597

■ 38.3797, 0.3482,
0.4327

■ 39.3591, 0.3398,
0.4051

■ 40.4449, 0.3307,
0.3780

■ 41.6416, 0.3214,
0.3520

Harmonies

Analogous

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



34.4440, 0.4604, 0.4920



34.4440, 0.3622, 0.5502



34.4440, 0.2577, 0.5187

Triad

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



34.4440, 0.3622, 0.5502



34.4440, 0.1292, 0.1904



34.4440, 0.4583, 0.2646

Complementary

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



34.4440, 0.3622, 0.5502



4.0502, 0.1755, 0.0744

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.



34.4440, 0.3355, 0.2071



34.4440, 0.3622, 0.5502



34.4440, 0.1595, 0.1653

Square

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



34.4440, 0.3622, 0.5502



34.4440, 0.1321, 0.2609



34.4440, 0.2273, 0.1724



34.4440, 0.5344, 0.3343

Rectangle

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



34.4440, 0.3622, 0.5502



34.4440, 0.1976, 0.4365



34.4440, 0.2273, 0.1724



34.4440, 0.4193, 0.2435

Sweetspot

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



34.4455, 0.3622, 0.5502



70.2828, 0.3408, 0.4082



11.9599, 0.5897, 0.3691



15.4570, 0.3443, 0.4196



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.



34.4455, 0.3622, 0.5502



61.5189, 0.3611, 0.5515



30.9845, 0.3063, 0.5945



9.1945, 0.3213, 0.3518



24.6831, 0.3626, 0.5503



0.7149, 0.3805, 0.5361

Inverse Universe

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



4.0502, 0.1755, 0.0744



7.0655, 0.1733, 0.0728



8.9685, 0.2754, 0.1293



7.8821, 0.3036, 0.3059



2.8985, 0.1760, 0.0743



0.1110, 0.2123, 0.0943

Previews

White Background



This preview shows how the Yxy color 34.4440, 0.3622, 0.5502 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 34.4440, 0.3622, 0.5502 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 34.4440, 0.3622, 0.5502

Background



This preview shows how black text looks on a background with the Yxy color 34.4440, 0.3622, 0.5502.



This preview shows how white text looks on a background with the Yxy color 34.4440, 0.3622, 0.5502.

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

34.4440, 0.3622, 0.5502

Protanopia

33.9187, 0.4405, 0.4885

Deuteranopia

34.0703, 0.4628, 0.4538



Tritanopia

34.4799, 0.2773, 0.3092

Trichromacy



Original Color

34.4440, 0.3622, 0.5502

Protanomaly

33.6188, 0.4109, 0.5119

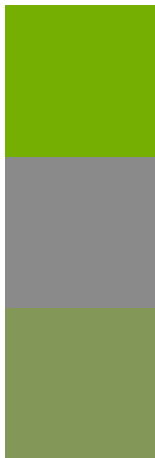
Deuteranomaly

33.2892, 0.4260, 0.4906

Tritanomaly

33.3965, 0.3227, 0.4203

Monochromacy



Original Color

34.4440, 0.3622, 0.5502

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.5836, 0.3497, 0.4377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4440, 0.3622, 0.5502 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(117, 175, 1)` looks like.

```
.text, #text, p{  
    color:rgb(117, 175, 1)  
}
```

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(117, 175, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 175, 1) }
```

Border

The CSS property to change the border of an element to Yxy 34.4440, 0.3622, 0.5502 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(117, 175, 1) }
```

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

```
.border{ border-color:rgb(117, 175, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 175, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 175, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 175, 1);  
box-shadow:4px 4px 4px 4px rgb(117, 175,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4440, 0.3622, 0.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 175, 1) }
```

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

```
.background{ background-color: rgb(117,  
175, 1) }
```

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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