

Converting Colors

$Y_{xy}(36.5720, 0.3759, 0.5112)$

Have a look what the booklet for
Yxy(36.5720, 0.3759, 0.5112)
contains.

Yxy(36.6002, 0.3761, 0.5106)	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(36.6002, 0.3761, 0.5106)

Conversions

Conversions Part 1

Format	Color
Hex	8EAF2D
RGB	142, 175, 45
RGB Percent	56%, 69%, 18%
CMY	0.4431, 0.3137, 0.8237
CMYK	0.19, 0.00, 0.74, 0.31
HSL	75°, 59%, 43%
HSV	75°, 74%, 69%
XYZ	26.9591, 36.6002, 8.1214
YIQ	150.3130, 22.0620, -47.4260

Conversions

Conversions Part 2

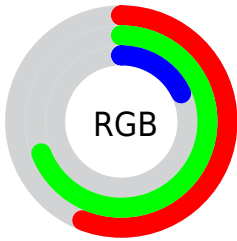
Format	Color
RYB	45, 175, 78
Decimal	9350957
CIELab	66.98, -29.14, 58.87
CIELCh	67, 65.689, 116.331
Yxy	36.6002, 0.3761, 0.5106
Android (android.graphics.Color)	4287541037 (0xFF8EAF2D)
YUV	150.3130, -51.9193, -7.2905
Hunter-Lab	60.4981, -26.3286, 34.3894

Details

The Yxy color **36.6002, 0.3761, 0.5106** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.5865, 0.1982, 0.1105**, and the grayscale version is **30.8567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2140, 0.3693, 0.4764**, and **15.9453, 0.3712, 0.5435** is the 20% darker color. If you saturate the color by 10%, you get **36.1090, 0.3775, 0.5255**, and if you desaturate by 10%, it is **37.1662, 0.3722, 0.4914**.

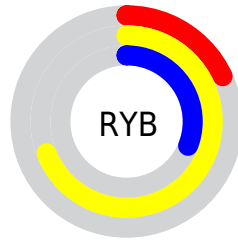
Distribution



Red (56%)

Green (69%)

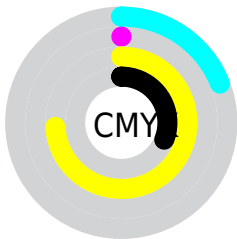
Blue (18%)



Red (18%)

Yellow (69%)

Blue (31%)

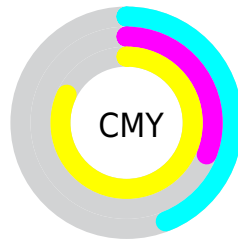


Cyan (19%)

Magenta (0%)

Yellow (74%)

Black (31%)



Cyan (44%)


Magenta (31%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6002, 0.3761, 0.5106 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 36.6002, 0.3761, 0.5106 by changing the saturation by 10% instead.


 36.6002, 0.3761,
0.5106


 36.6002, 0.3761,
0.5106

331.5764, 0.3505,
0.4156


 24.8981, 0.3789,
0.5336


 69.9575, 0.3691,
0.4761


 16.0011, 0.3797,
0.5616

 92.3814, 0.3657,
0.4630

 9.5250, 0.3786,
0.5999


 119.1481, 0.3626,
0.4520

 5.0852, 0.3626,
0.6374

 150.6419, 0.3597,
0.4425

 2.2973, 0.3232,
0.6768

 187.2472, 0.3570,
0.4344

 0.7723, 0.0286,
0.9714

 229.3485, 0.3546,

 0.0000, 0.0000,

0.4273

0.0000

277.3301, 0.3525,
0.4211

■ 36.6002, 0.3761,
0.5106

■ 36.6002, 0.3761,
0.5106

■ 36.1090, 0.3775,
0.5255

■ 37.1662, 0.3722,
0.4914

■ 35.6800, 0.3765,
0.5357

■ 37.8084, 0.3660,
0.4688

■ 35.4547, 0.3753,
0.5402

■ 38.5340, 0.3580,
0.4437

■ 39.3479, 0.3486,
0.4173

■ 40.2546, 0.3384,
0.3906

■ 41.2583, 0.3278,
0.3644

■ 42.3628, 0.3172,
0.3393

■ 43.5719, 0.3069,
0.3158

■ 44.8889, 0.2969,
0.2940

Harmonies

Analogous

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



36.6002, 0.4563, 0.4635



36.6002, 0.3761, 0.5106



36.6002, 0.2848, 0.4929

Triad

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



36.6002, 0.3761, 0.5106



36.6002, 0.1509, 0.2191



36.6002, 0.4185, 0.2658

Complementary

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



36.6002, 0.3761, 0.5106



6.5865, 0.1982, 0.1105

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.



36.6002, 0.3162, 0.2171



36.6002, 0.3761, 0.5106



36.6002, 0.1733, 0.1889

Square

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



36.6002, 0.3761, 0.5106



36.6002, 0.1605, 0.2896



36.6002, 0.2284, 0.1900



36.6002, 0.4921, 0.3277

Rectangle

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



36.6002, 0.3761, 0.5106



36.6002, 0.2293, 0.4351



36.6002, 0.2284, 0.1900



36.6002, 0.3852, 0.2476

Sweetspot

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



36.6018, 0.3761, 0.5106



72.4245, 0.3364, 0.3855



14.6771, 0.5245, 0.3694



15.9960, 0.3392, 0.3925



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.



36.6018, 0.3761, 0.5106



64.1760, 0.3772, 0.5324



32.4478, 0.3199, 0.5491



9.2264, 0.3225, 0.3517



25.4195, 0.3758, 0.5398



0.7312, 0.3897, 0.5288

Inverse Universe

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



6.5865, 0.1982, 0.1105



7.7823, 0.1751, 0.0792



10.7632, 0.2756, 0.1489



7.8518, 0.3024, 0.3058



2.6319, 0.1662, 0.0689



0.0992, 0.1989, 0.0869

Previews

White Background



This preview shows how the Yxy color 36.6002, 0.3761, 0.5106 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 36.6002, 0.3761, 0.5106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

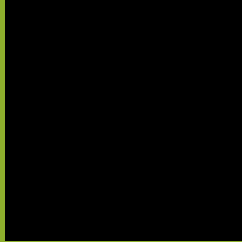
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6002, 0.3761, 0.5106

Background



This preview shows how black text looks on a background with the Yxy color 36.6002, 0.3761, 0.5106.



This preview shows how white text looks on a background with the Yxy color 36.6002, 0.3761, 0.5106.

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

36.6002, 0.3761, 0.5106

Protanopia

36.4288, 0.4294, 0.4734

Deuteranopia

36.0741, 0.4525, 0.4430



Tritanopia

36.3969, 0.2953, 0.3103

Trichromacy



Original Color

36.6002, 0.3761, 0.5106

Protanomaly

36.1367, 0.4098, 0.4870

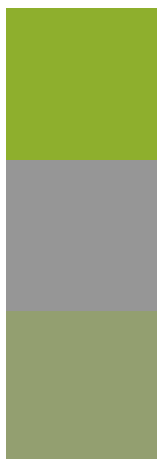
Deuteranomaly

35.9034, 0.4240, 0.4674

Tritanomaly

35.7753, 0.3314, 0.3890

Monochromacy



Original Color

36.6002, 0.3761, 0.5106

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

32.1692, 0.3436, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6002, 0.3761, 0.5106 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(142, 175, 45)` looks like.

```
.text, #text, p{  
    color:rgb(142, 175, 45)  
}
```

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(142, 175, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 175, 45) }
```

Border

The CSS property to change the border of an element to Yxy 36.6002, 0.3761, 0.5106 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(142, 175, 45) }
```

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

```
.border{ border-color:rgb(142, 175, 45) }
```

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

Here you see how a box with a 4 pixel rgb(142, 175, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 175, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 175, 45);  
box-shadow:4px 4px 4px 4px rgb(142, 175,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6002, 0.3761, 0.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 175, 45) }
```

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

```
.background{ background-color: rgb(142,  
175, 45) }
```

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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