

Converting Colors

$Y_{xy}(35.7560, 0.3254, 0.4732)$

Have a look what the booklet for
Yxy(35.7560, 0.3254, 0.4732)
contains.

Yxy(35.8273, 0.3252, 0.4729)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.8273, 0.3252, 0.4729)

Conversions

Conversions Part 1

Format	Color
Hex	73B15A
RGB	115, 177, 90
RGB Percent	45%, 69%, 35%
CMY	0.5491, 0.3059, 0.6469
CMYK	0.35, 0.00, 0.49, 0.31
HSL	103°, 36%, 52%
HSV	103°, 49%, 69%
XYZ	24.6374, 35.8273, 15.2961
YIQ	148.5440, -9.0250, -40.2010

Conversions

Conversions Part 2

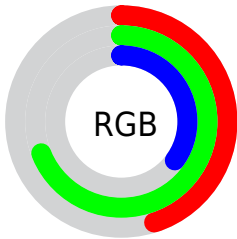
Format	Color
RYB	90, 177, 152
Decimal	7582042
CIELab	66.39, -36.32, 38.08
CIELCh	66, 52.620, 133.643
Yxy	35.8273, 0.3252, 0.4729
Android (android.graphics.Color)	4285772122 (0xFF73B15A)
YUV	148.5440, -28.8622, -29.4181
Hunter-Lab	59.8559, -31.2751, 26.7476

Details

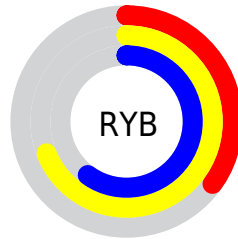
The Yxy color **35.8273, 0.3252, 0.4729** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **17.1723, 0.2877, 0.2012**, and the grayscale version is **29.9802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7769, 0.3252, 0.4421**, and **15.5995, 0.3220, 0.5235** is the 20% darker color. If you saturate the color by 10%, you get **34.7645, 0.3254, 0.5045**, and if you desaturate by 10%, it is **37.0821, 0.3238, 0.4405**.

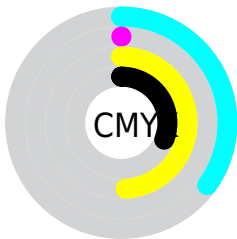
Distribution



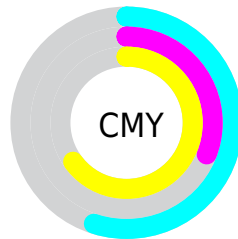
- Red (45%)
- Green (69%)
- Blue (35%)



- Red (35%)
- Yellow (69%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (49%)
- Black (31%)




- Cyan (55%)
- Magenta (31%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8273, 0.3252, 0.4729 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 35.8273, 0.3252, 0.4729 by changing the saturation by 10% instead.

 35.8273, 0.3252,
0.4729


 35.8273, 0.3252,
0.4729


328.2051, 0.3220,
0.3938


 24.3008, 0.3244,
0.4948


 68.7654, 0.3251,
0.4425


 15.5569, 0.3223,
0.5240


 90.9459, 0.3247,
0.4316

 9.2112, 0.3169,
0.5642


 117.4465, 0.3242,
0.4225

 4.8792, 0.3065,
0.6269

 148.6516, 0.3238,
0.4149

 2.1766, 0.2779,
0.7221

184.9456, 0.3233,
0.4085

 0.7072, 0.0000,
1.0000

226.7129, 0.3229,

 0.0000, 0.0000,

0.4029

0.0000

274.3379, 0.3224,
0.3980

■ 35.8273, 0.3252,
0.4729

■ 35.8273, 0.3252,
0.4729

■ 34.7645, 0.3254,
0.5045

■ 37.0821, 0.3238,
0.4405

■ 33.8793, 0.3244,
0.5336

■ 38.5334, 0.3216,
0.4089

■ 33.1622, 0.3219,
0.5580

■ 40.1913, 0.3188,
0.3791

■ 32.6008, 0.3181,
0.5764


■ 42.0637, 0.3157,
0.3517


■ 32.1764, 0.3135,
0.5886

■ 44.1583, 0.3124,
0.3270

 32.1445, 0.3132,
0.5895

 46.4821, 0.3091,
0.3049

 49.0420, 0.3059,
0.2853

 51.8446, 0.3027,
0.2681

 54.8961, 0.2998,
0.2530

Harmonies

Analogous

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



35.8273, 0.3992, 0.4674



35.8273, 0.3252, 0.4729



35.8273, 0.2518, 0.4198

Triad

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



35.8273, 0.3252, 0.4729



35.8273, 0.1839, 0.2199



35.8273, 0.4378, 0.3076

Complementary

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



35.8273, 0.3252, 0.4729



17.1723, 0.2877, 0.2012

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.



35.8273, 0.3648, 0.2576



35.8273, 0.3252, 0.4729



35.8273, 0.2199, 0.2087

Square

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



35.8273, 0.3252, 0.4729



35.8273, 0.1765, 0.2610



35.8273, 0.2833, 0.2226



35.8273, 0.4710, 0.3651

Rectangle

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



35.8273, 0.3252, 0.4729



35.8273, 0.2134, 0.3629



35.8273, 0.2833, 0.2226



35.8273, 0.4165, 0.2897

Sweetspot

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



35.8288, 0.3252, 0.4729



73.2316, 0.3177, 0.3682



32.1916, 0.4005, 0.4155



15.7249, 0.3183, 0.3739



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.



35.8288, 0.3252, 0.4729



62.1077, 0.3254, 0.5072



34.6920, 0.2944, 0.4515



9.6043, 0.3158, 0.3522



23.3157, 0.3139, 0.5890



0.7640, 0.3364, 0.5711

Inverse Universe

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



17.1723, 0.2877, 0.2012



24.7383, 0.2799, 0.1748



19.1897, 0.3402, 0.2323



8.5218, 0.3093, 0.3062



5.5575, 0.2504, 0.1153



0.2027, 0.2710, 0.1266

Previews

White Background



This preview shows how the Yxy color 35.8273, 0.3252, 0.4729 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 35.8273, 0.3252, 0.4729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

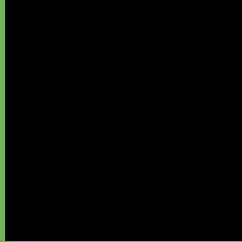
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8273, 0.3252, 0.4729

Background



This preview shows how black text looks on a background with the Yxy color 35.8273, 0.3252, 0.4729.



This preview shows how white text looks on a background with the Yxy color 35.8273, 0.3252, 0.4729.

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

35.8273, 0.3252, 0.4729

Protanopia

35.4769, 0.3986, 0.4354

Deuteranopia

35.2291, 0.4129, 0.4040



Tritanopia

35.6785, 0.2710, 0.3093

Trichromacy



Original Color

35.8273, 0.3252, 0.4729

Protanomaly

35.1793, 0.3692, 0.4506

Deuteranomaly

34.7558, 0.3781, 0.4285

Tritanomaly

35.5924, 0.2920, 0.3675

Monochromacy



Original Color

35.8273, 0.3252, 0.4729

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.6732, 0.3190, 0.3797

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8273, 0.3252, 0.4729 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(115, 177, 90)` looks like.

```
.text, #text, p{  
    color:rgb(115, 177, 90)  
}
```

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(115, 177, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 177, 90) }
```

Border

The CSS property to change the border of an element to Yxy 35.8273, 0.3252, 0.4729 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(115, 177, 90) }
```

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

```
.border{ border-color:rgb(115, 177, 90) }
```

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

Here you see how a box with a 4 pixel rgb(115, 177, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 177, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 177, 90);  
box-shadow:4px 4px 4px 4px rgb(115, 177,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8273, 0.3252, 0.4729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 177, 90) }
```

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

```
.background{ background-color: rgb(115,  
177, 90) }
```

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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