

Converting Colors

$Y_{xy}(35.8725, 0.3216, 0.4272)$

Have a look what the booklet for
Yxy(35.8725, 0.3216, 0.4272)
contains.

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Color

Yxy(35.7465, 0.3218, 0.4264)

Conversions

Conversions Part 1

Format	Color
Hex	81AD71
RGB	129, 173, 113
RGB Percent	51%, 68%, 44%
CMY	0.4942, 0.3216, 0.5567
CMYK	0.25, 0.00, 0.35, 0.32
HSL	104°, 27%, 56%
HSV	104°, 35%, 68%
XYZ	26.9775, 35.7465, 21.1092
YIQ	153.0040, -6.9640, -27.9880

Conversions

Conversions Part 2

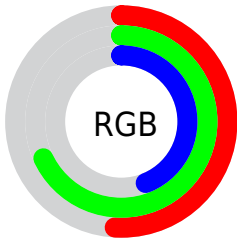
Format	Color
RYB	113, 173, 157
Decimal	8498545
CIELab	66.33, -26.26, 26.19
CIElCh	66, 37.086, 135.079
Yxy	35.7465, 0.3218, 0.4264
Android (android.graphics.Color)	4286688625 (0xFF81AD71)
YUV	153.0040, -19.7220, -21.0515
Hunter-Lab	59.7884, -24.0874, 20.9186

Details

The Yxy color **35.7465, 0.3218, 0.4264** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.0070, 0.2984, 0.2400**, and the grayscale version is **31.9476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8225, 0.3212, 0.4068**, and **15.4228, 0.3222, 0.4609** is the 20% darker color. If you saturate the color by 10%, you get **34.4614, 0.3233, 0.4588**, and if you desaturate by 10%, it is **37.2325, 0.3196, 0.3954**.

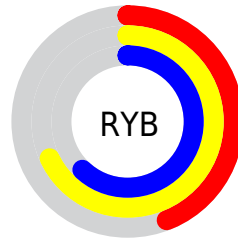
Distribution



Red (51%)

Green (68%)

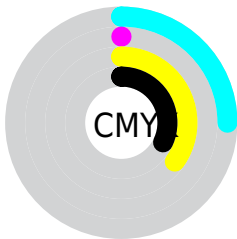
Blue (44%)



Red (44%)

Yellow (68%)

Blue (62%)

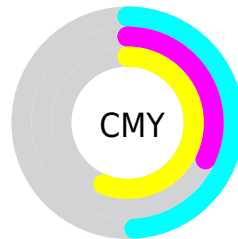


Cyan (25%)

Magenta (0%)

Yellow (35%)

Black (32%)



Cyan (49%)

Magenta (32%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7465, 0.3218, 0.4264 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 35.7465, 0.3218, 0.4264 by changing the saturation by 10% instead.


 35.7465, 0.3218,
0.4264


 35.7465, 0.3218,
0.4264


327.8512, 0.3185,
0.3733

 24.2385, 0.3220,
0.4412


 68.6406, 0.3210,
0.4060


 15.5106, 0.3218,
0.4610


 90.7955, 0.3206,
0.3987

 9.1785, 0.3206,
0.4890


 117.2681, 0.3202,
0.3926

 4.8578, 0.3166,
0.5310

 148.4429, 0.3198,
0.3875

 2.1641, 0.3233,
0.6364

184.7042, 0.3194,
0.3832

 0.7003, 0.0339,
0.9661

226.4364, 0.3191,

 0.0000, 0.0000,

0.3794

0.0000

274.0239, 0.3188,
0.3762

■ 35.7465, 0.3218,
0.4264

■ 35.7465, 0.3218,
0.4264

■ 34.4614, 0.3233,
0.4588

■ 37.2325, 0.3196,
0.3954

■ 33.3640, 0.3238,
0.4911

■ 38.9229, 0.3170,
0.3666

■ 32.4461, 0.3232,
0.5218

■ 40.8271, 0.3141,
0.3403

■ 31.6976, 0.3212,
0.5488


■ 42.9523, 0.3111,
0.3168


■ 31.1069, 0.3180,
0.5702


■ 45.3055, 0.3081,
0.2959

 30.6607, 0.3138,
0.5848

 47.8932, 0.3052,
0.2775

 30.4705, 0.3116,
0.5908

 50.7219, 0.3024,
0.2614

 53.7976, 0.2998,
0.2472

 56.2098, 0.3072,
0.2465

Harmonies

Analogous

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



35.7465, 0.3755, 0.4291



35.7465, 0.3218, 0.4264



35.7465, 0.2683, 0.3885

Triad

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



35.7465, 0.3218, 0.4264



35.7465, 0.2181, 0.2491



35.7465, 0.4026, 0.3175

Complementary

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



35.7465, 0.3218, 0.4264



22.0070, 0.2984, 0.2400

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.



35.7465, 0.3531, 0.2784



35.7465, 0.3218, 0.4264



35.7465, 0.2471, 0.2399

Square

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



35.7465, 0.3218, 0.4264



35.7465, 0.2117, 0.2803



35.7465, 0.2953, 0.2508



35.7465, 0.4254, 0.3615

Rectangle

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



35.7465, 0.3218, 0.4264



35.7465, 0.2398, 0.3509



35.7465, 0.2953, 0.2508



35.7465, 0.3883, 0.3036

Sweetspot

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



35.7480, 0.3218, 0.4264



71.1889, 0.3157, 0.3544



34.1954, 0.3710, 0.3930



15.3718, 0.3161, 0.3580



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



35.7480, 0.3218, 0.4264



62.1339, 0.3231, 0.4525



34.9345, 0.2975, 0.4062



9.0386, 0.3155, 0.3522



22.4084, 0.3123, 0.5903



0.6502, 0.3357, 0.5716

Inverse Universe

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



22.0070, 0.2984, 0.2400



33.5953, 0.2938, 0.2186



23.2054, 0.3328, 0.2627



8.0393, 0.3097, 0.3064



5.5582, 0.2555, 0.1181



0.1794, 0.2763, 0.1296

Previews

White Background



This preview shows how the Yxy color 35.7465, 0.3218, 0.4264 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 35.7465, 0.3218, 0.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

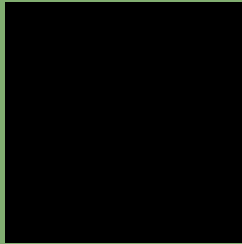
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7465, 0.3218, 0.4264

Background



This preview shows how black text looks on a background with the Yxy color 35.7465, 0.3218, 0.4264.



This preview shows how white text looks on a background with the Yxy color 35.7465, 0.3218, 0.4264.

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

35.7465, 0.3218, 0.4264

Protanopia

35.5711, 0.3748, 0.4052

Deuteranopia

35.3427, 0.3867, 0.3796



Tritanopia

35.7001, 0.2802, 0.3096

Trichromacy



Original Color

35.7465, 0.3218, 0.4264

Protanomaly

35.3052, 0.3546, 0.4122

Deuteranomaly

35.0755, 0.3612, 0.3953

Tritanomaly

35.5726, 0.2957, 0.3507

Monochromacy



Original Color

35.7465, 0.3218, 0.4264

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.9059, 0.3169, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7465, 0.3218, 0.4264 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(129, 173, 113)` looks like.

```
.text, #text, p{  
    color:rgb(129, 173, 113)  
}
```

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(129, 173, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 173, 113) }
```

Border

The CSS property to change the border of an element to Yxy 35.7465, 0.3218, 0.4264 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(129, 173, 113) }
```

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

```
.border{ border-color:rgb(129, 173, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 173, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 173, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 173, 113);  
box-shadow:4px 4px 4px 4px rgb(129, 173,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7465, 0.3218, 0.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 173, 113) }
```

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

```
.background{ background-color: rgb(129,  
173, 113) }
```

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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