

Converting Colors

$Yxy(35.2424, 0.3156, 0.3999)$

Have a look what the booklet for
Yxy(35.2424, 0.3156, 0.3999)
contains.

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Color

Yxy(35.2424, 0.3156, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	85AA7E
RGB	133, 170, 126
RGB Percent	52%, 67%, 49%
CMY	0.4784, 0.3333, 0.5059
CMYK	0.22, 0.00, 0.26, 0.33
HSL	110°, 21%, 58%
HSV	110°, 26%, 67%
XYZ	27.8132, 35.2424, 25.0724
YIQ	153.9210, -7.9280, -21.5280

Conversions

Conversions Part 2

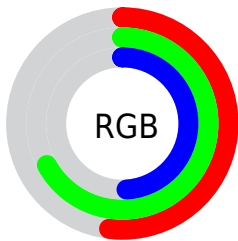
Format	Color
RYB	126, 170, 163
Decimal	8759934
CIELab	65.94, -21.23, 18.68
CIElCh	66, 28.278, 138.643
Yxy	35.2424, 0.3156, 0.3999
Android (android.graphics.Color)	4286950014 (0xFF85AA7E)
YUV	153.9210, -13.7651, -18.3477
Hunter-Lab	59.3653, -20.2604, 16.5151

Details

The Yxy color **35.2424, 0.3156, 0.3999** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.6085, 0.3080, 0.2645**, and the grayscale version is **32.3431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6699, 0.3156, 0.3845**, and **15.2865, 0.3142, 0.4251** is the 20% darker color. If you saturate the color by 10%, you get **33.7564, 0.3161, 0.4320**, and if you desaturate by 10%, it is **36.9644, 0.3147, 0.3702**.

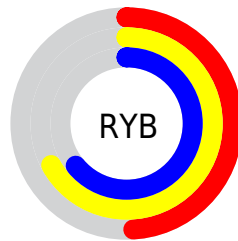
Distribution



Red (52%)

Green (67%)

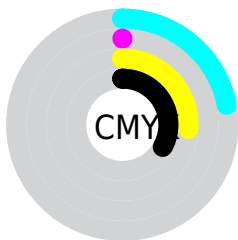
Blue (49%)



Red (49%)

Yellow (67%)

Blue (64%)

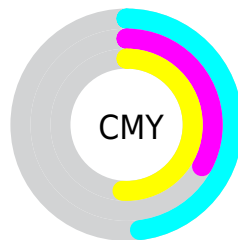


Cyan (22%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (48%)


Magenta (33%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2424, 0.3156, 0.3999 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 35.2424, 0.3156, 0.3999 by changing the saturation by 10% instead.


 35.2424, 0.3156,
0.3999

 35.2424, 0.3156,
0.3999


325.6370, 0.3149,
0.3614


 23.8497, 0.3155,
0.4106


 67.8611, 0.3155,
0.3851

 15.2221, 0.3151,
0.4250


 89.8559, 0.3154,
0.3798

 8.9754, 0.3141,
0.4455


 116.1534, 0.3153,
0.3755

 4.7252, 0.3115,
0.4768

147.1382, 0.3152,
0.3718

 2.0869, 0.3076,
0.5348

183.1945, 0.3151,
0.3686

 0.6573, 0.1395,
0.8605


224.7068, 0.3150,

 0.0000, 0.0000,


0.3659

0.0000


272.0595, 0.3149,
0.3635


 35.2424, 0.3156,
0.3999


 35.2424, 0.3156,
0.3999


 33.7564, 0.3161,
0.4320


 36.9644, 0.3147,
0.3702


 32.4916, 0.3162,
0.4656


 38.9272, 0.3135,
0.3434


 31.4387, 0.3155,
0.4991

 41.1414, 0.3122,
0.3196

 30.5859, 0.3141,
0.5306

 43.6155, 0.3108,
0.2986

 29.9203, 0.3119,
0.5578

 46.3575, 0.3093,
0.2803

■ 29.4271, 0.3091,
0.5785

■ 49.3753, 0.3079,
0.2643

■ 29.0888, 0.3060,
0.5918

■ 52.6761, 0.3066,
0.2505

■ 28.9850, 0.3050,
0.5961

■ 55.8084, 0.3105,
0.2444

■ 57.2310, 0.3166,
0.2460

Harmonies

Analogous

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



35.2424, 0.3576, 0.4067



35.2424, 0.3156, 0.3999



35.2424, 0.2746, 0.3692

Triad

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



35.2424, 0.3156, 0.3999



35.2424, 0.2404, 0.2652



35.2424, 0.3847, 0.3250

Complementary

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



35.2424, 0.3156, 0.3999



25.6085, 0.3080, 0.2645

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.



35.2424, 0.3491, 0.2928



35.2424, 0.3156, 0.3999



35.2424, 0.2657, 0.2592

Square

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



35.2424, 0.3156, 0.3999



35.2424, 0.2331, 0.2886



35.2424, 0.3050, 0.2693



35.2424, 0.3994, 0.3600

Rectangle

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



35.2424, 0.3156, 0.3999



35.2424, 0.2531, 0.3410



35.2424, 0.3050, 0.2693



35.2424, 0.3747, 0.3137

Sweetspot

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



35.2439, 0.3156, 0.3999



69.7825, 0.3138, 0.3492



36.1297, 0.3534, 0.3825



15.4415, 0.3140, 0.3531



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.



35.2439, 0.3156, 0.3999



62.3609, 0.3160, 0.4179



35.0992, 0.2977, 0.3764



8.4630, 0.3139, 0.3522



21.3372, 0.3054, 0.5957



0.5355, 0.3235, 0.5814

Inverse Universe

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



25.6085, 0.3080, 0.2645



41.9073, 0.3065, 0.2499



25.8443, 0.3317, 0.2859



7.6053, 0.3113, 0.3066



6.4460, 0.2816, 0.1325



0.1725, 0.2955, 0.1401

Previews

White Background



This preview shows how the Yxy color 35.2424, 0.3156, 0.3999 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 35.2424, 0.3156, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

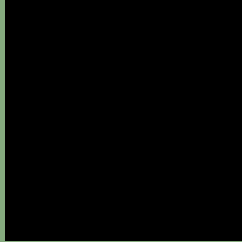
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2424, 0.3156, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 35.2424, 0.3156, 0.3999.



This preview shows how white text looks on a background with the Yxy color 35.2424, 0.3156, 0.3999.

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

35.2424, 0.3156, 0.3999

Protanopia

35.1800, 0.3600, 0.3860

Deuteranopia

34.8065, 0.3708, 0.3625



Tritanopia

34.9917, 0.2823, 0.3095

Trichromacy



Original Color

35.2424, 0.3156, 0.3999

Protanomaly

35.1491, 0.3425, 0.3914

Deuteranomaly

34.5703, 0.3496, 0.3750

Tritanomaly

35.1443, 0.2942, 0.3413

Monochromacy



Original Color

35.2424, 0.3156, 0.3999

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.2662, 0.3135, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2424, 0.3156, 0.3999 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(133, 170, 126)` looks like.

```
.text, #text, p{  
    color:rgb(133, 170, 126)  
}
```

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(133, 170, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 170, 126) }
```

Border

The CSS property to change the border of an element to Yxy 35.2424, 0.3156, 0.3999 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(133, 170, 126) }
```

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

```
.border{ border-color:rgb(133, 170, 126) }
```

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

Here you see how a box with a 4 pixel rgb(133, 170, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 170, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 170, 126);  
box-shadow:4px 4px 4px 4px rgb(133, 170,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2424, 0.3156, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 170, 126) }
```

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

```
.background{ background-color: rgb(133,  
170, 126) }
```

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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