

Converting Colors

$Y_{xy}(35.9749, 0.3120, 0.3992)$

Have a look what the booklet for
Yxy(35.9749, 0.3120, 0.3992)
contains.

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Color

Yxy(35.8889, 0.3120, 0.3998)

Conversions

Conversions Part 1

Format	Color
Hex	83AC80
RGB	131, 172, 128
RGB Percent	51%, 67%, 50%
CMY	0.4863, 0.3255, 0.4981
CMYK	0.24, 0.00, 0.26, 0.33
HSL	116°, 21%, 59%
HSV	116°, 26%, 67%
XYZ	28.0073, 35.8889, 25.8709
YIQ	154.7250, -10.3120, -22.3760

Conversions

Conversions Part 2

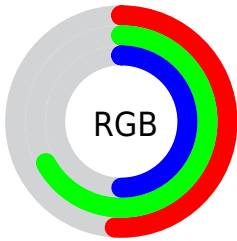
Format	Color
RYB	128, 172, 169
Decimal	8629376
CIELab	66.43, -22.60, 18.26
CIElCh	66, 29.053, 141.072
Yxy	35.8889, 0.3120, 0.3998
Android (android.graphics.Color)	4286819456 (0xFF83AC80)
YUV	154.7250, -13.1754, -20.8068
Hunter-Lab	59.9073, -21.3871, 16.3309

Details

The Yxy color **35.8889, 0.3120, 0.3998** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **26.8521, 0.3124, 0.2660**, and the grayscale version is **32.7129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1373, 0.3128, 0.3855**, and **15.4636, 0.3095, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **34.2928, 0.3113, 0.4326**, and if you desaturate by 10%, it is **37.7628, 0.3124, 0.3697**.

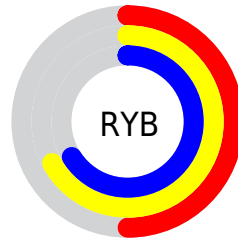
Distribution



Red (51%)

Green (67%)

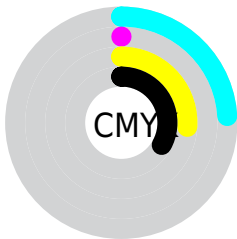
Blue (50%)



Red (50%)

Yellow (67%)

Blue (66%)

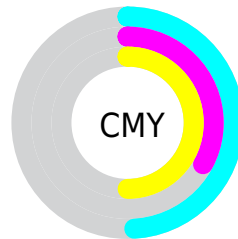


Cyan (24%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (49%)


Magenta (33%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8889, 0.3120, 0.3998 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 35.8889, 0.3120, 0.3998 by changing the saturation by 10% instead.


 35.8889, 0.3120,
0.3998


 35.8889, 0.3120,
0.3998


328.4747, 0.3131,
0.3614

 24.3484, 0.3114,
0.4104


 68.8606, 0.3126,
0.3851

 15.5923, 0.3103,
0.4248


 91.0605, 0.3128,
0.3798

 9.2361, 0.3085,
0.4452


 117.5824, 0.3129,
0.3754

 4.8955, 0.3047,
0.4762

148.8106, 0.3130,
0.3717

 2.1861, 0.2975,
0.5312

185.1295, 0.3131,
0.3686

 0.7124, 0.1496,
0.8504

226.9236, 0.3131,

 0.0000, 0.0000,

0.3659

0.0000

274.5772, 0.3131,
0.3635

■ 35.8889, 0.3120,
0.3998

■ 35.8889, 0.3120,
0.3998

■ 34.2928, 0.3113,
0.4326

■ 37.7628, 0.3124,
0.3697

■ 32.9571, 0.3103,
0.4671

■ 39.9221, 0.3127,
0.3427

■ 31.8693, 0.3090,
0.5017


■ 42.3797, 0.3127,
0.3189


■ 31.0140, 0.3074,
0.5340

■ 45.1463, 0.3127,
0.2982

■ 30.3743, 0.3056,
0.5616


■ 48.2321, 0.3125,
0.2802

 29.9308, 0.3037,
0.5822

 51.6469, 0.3124,
0.2647

 29.6604, 0.3020,
0.5948

 55.4000, 0.3121,
0.2514

 29.5836, 0.3016,
0.5987

 57.9875, 0.3165,
0.2479

Harmonies

Analogous

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



35.8889, 0.3553, 0.4088



35.8889, 0.3120, 0.3998



35.8889, 0.2707, 0.3667

Triad

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



35.8889, 0.3120, 0.3998



35.8889, 0.2404, 0.2628



35.8889, 0.3884, 0.3278

Complementary

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



35.8889, 0.3120, 0.3998



26.8521, 0.3124, 0.2660

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.



35.8889, 0.3534, 0.2945



35.8889, 0.3120, 0.3998



35.8889, 0.2676, 0.2581

Square

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



35.8889, 0.3120, 0.3998



35.8889, 0.2314, 0.2852



35.8889, 0.3084, 0.2697



35.8889, 0.4014, 0.3633

Rectangle

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



35.8889, 0.3120, 0.3998



35.8889, 0.2497, 0.3376



35.8889, 0.3084, 0.2697



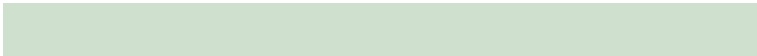
35.8889, 0.3787, 0.3161

Sweetspot

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



35.8904, 0.3120, 0.3998



71.3667, 0.3126, 0.3493



38.4603, 0.3517, 0.3868



15.3815, 0.3126, 0.3532



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.



35.8904, 0.3120, 0.3998



63.3170, 0.3116, 0.4191



36.1820, 0.2951, 0.3698



8.9644, 0.3126, 0.3523



22.0227, 0.3019, 0.5985



0.6209, 0.3099, 0.5921

Inverse Universe

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



26.8521, 0.3124, 0.2660



43.9552, 0.3121, 0.2512



26.5305, 0.3356, 0.2915



8.1199, 0.3127, 0.3066



7.8103, 0.3042, 0.1449



0.2254, 0.3096, 0.1479

Previews

White Background



This preview shows how the Yxy color 35.8889, 0.3120, 0.3998 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 35.8889, 0.3120, 0.3998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

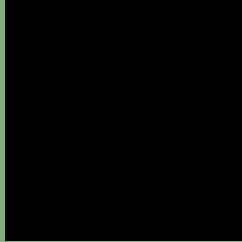
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8889, 0.3120, 0.3998

Background



This preview shows how black text looks on a background with the Yxy color 35.8889, 0.3120, 0.3998.



This preview shows how white text looks on a background with the Yxy color 35.8889, 0.3120, 0.3998.

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

35.8889, 0.3120, 0.3998

Protanopia

35.6905, 0.3588, 0.3842

Deuteranopia

35.6734, 0.3680, 0.3609



Tritanopia

35.7404, 0.2794, 0.3081

Trichromacy



Original Color

35.8889, 0.3120, 0.3998

Protanomaly

35.5590, 0.3404, 0.3897

Deuteranomaly

35.3439, 0.3462, 0.3733

Tritanomaly

35.8617, 0.2918, 0.3412

Monochromacy



Original Color

35.8889, 0.3120, 0.3998

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.6451, 0.3125, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8889, 0.3120, 0.3998 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(131, 172, 128)` looks like.

```
.text, #text, p{  
    color:rgb(131, 172, 128)  
}
```

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(131, 172, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 172, 128) }
```

Border

The CSS property to change the border of an element to Yxy 35.8889, 0.3120, 0.3998 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(131, 172, 128) }
```

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

```
.border{ border-color:rgb(131, 172, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 172, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 172, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 172, 128);  
box-shadow:4px 4px 4px 4px rgb(131, 172,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8889, 0.3120, 0.3998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 172, 128) }
```

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

```
.background{ background-color: rgb(131,  
172, 128) }
```

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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