

Converting Colors

$Yxy(36.3111, 0.2694, 0.4431)$

Have a look what the booklet for
Yxy(36.3111, 0.2694, 0.4431)
contains.

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Color

Yxy(36.4778, 0.2693, 0.4433)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 38B878 |
| RGB | 56, 184, 120 |
| RGB Percent | 22%, 72%, 47% |
| CMY | 0.7806, 0.2784, 0.5293 |
| CMYK | 0.70, 0.00, 0.35, 0.28 |
| HSL | 150°, 53%, 47% |
| HSV | 150°, 70%, 72% |
| XYZ | 22.1599, 36.4778, 23.6493 |
| YIQ | 138.4320, -55.7440, -47.0400 |

Conversions

Conversions Part 2

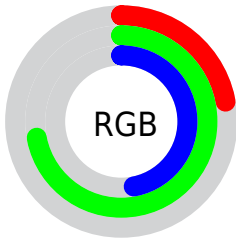
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 56, 141, 184 |
| Decimal | 3717240 |
| CIELab | 66.88, -49.52, 22.68 |
| CIElCh | 67, 54.466, 155.391 |
| Yxy | 36.4778, 0.2693, 0.4433 |
| Android (android.graphics.Color) | 4281907320 (0xFF38B878) |
| YUV | 138.4320, -9.0870, -72.2929 |
| Hunter-Lab | 60.3969, -40.2021, 19.0619 |

Details

The Yxy color **36.4778, 0.2693, 0.4433** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **14.3675, 0.4224, 0.2471**, and the grayscale version is **25.6355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8497, 0.2790, 0.4182**, and **16.4202, 0.2667, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **35.8310, 0.2684, 0.4628**, and if you desaturate by 10%, it is **37.3437, 0.2721, 0.4239**.

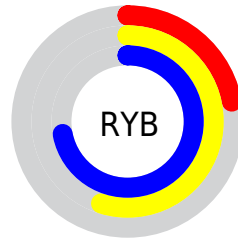
Distribution



Red (22%)

Green (72%)

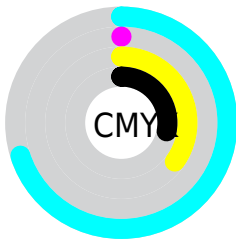
Blue (47%)



Red (22%)

Yellow (55%)

Blue (72%)

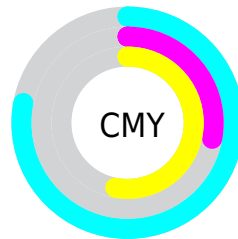


Cyan (70%)

Magenta (0%)

Yellow (35%)

Black (28%)



Cyan (78%)

Magenta (28%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4778, 0.2693, 0.4433 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 36.4778, 0.2693, 0.4433 by changing the saturation by 10% instead.


 36.4778, 0.2693,
0.4433


 36.4778, 0.2693,
0.4433

331.0441, 0.2938,
0.3799

 24.8034, 0.2621,
0.4614


 69.7689, 0.2790,
0.4187

 15.9307, 0.2522,
0.4861


 92.1544, 0.2823,
0.4099

 9.4751, 0.2377,
0.5215


 118.8791, 0.2851,
0.4027

 5.0524, 0.2149,
0.5761

 150.3274, 0.2874,
0.3967

 2.2780, 0.1723,
0.6913

 186.8837, 0.2894,
0.3915

 0.7620, 0.0000,
1.0000

228.9323, 0.2911,

 0.0000, 0.0000,

0.3871

0.0000

276.8576, 0.2925,
0.3833

■ 36.4778, 0.2693,
0.4433

■ 36.4778, 0.2693,
0.4433

■ 35.8310, 0.2684,
0.4628

■ 37.3437, 0.2721,
0.4239

■ 35.3756, 0.2696,
0.4818

■ 38.4441, 0.2765,
0.4050

■ 35.0689, 0.2723,
0.4998

■ 39.7978, 0.2823,
0.3870

■ 35.0578, 0.2724,
0.5005

■ 41.4205, 0.2892,
0.3703

■ 43.3267, 0.2967,
0.3549

■ 45.5298, 0.3048,
0.3410

■ 48.0422, 0.3130,
0.3285

■ 50.8758, 0.3213,
0.3175

■ 54.0415, 0.3295,
0.3077

Harmonies

Analogous

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



36.4778, 0.3468, 0.4815



36.4778, 0.2693, 0.4433



36.4778, 0.2079, 0.3584

Triad

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



36.4778, 0.2693, 0.4433



36.4778, 0.2045, 0.2062



36.4778, 0.4713, 0.3489

Complementary

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



36.4778, 0.2693, 0.4433



14.3675, 0.4224, 0.2471

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.



36.4778, 0.4236, 0.2917



36.4778, 0.2693, 0.4433



36.4778, 0.2620, 0.2138

Square

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



36.4778, 0.2693, 0.4433



36.4778, 0.1759, 0.2253



36.4778, 0.3425, 0.2441



36.4778, 0.4672, 0.4087

Rectangle

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



36.4778, 0.2693, 0.4433



36.4778, 0.1833, 0.3008



36.4778, 0.3425, 0.2441



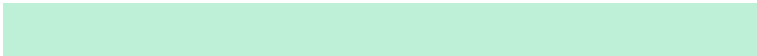
36.4778, 0.4609, 0.3292

Sweetspot

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



36.4793, 0.2693, 0.4433



77.8923, 0.2954, 0.3575



38.5596, 0.3460, 0.5212



16.5824, 0.2933, 0.3616



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.4793, 0.2693, 0.4433



64.4297, 0.2688, 0.4739



38.5836, 0.2337, 0.3288



10.1331, 0.3050, 0.3407



24.1739, 0.2718, 0.4984



0.8647, 0.2586, 0.4508

Inverse Universe

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



14.3675, 0.4224, 0.2471



21.7441, 0.4609, 0.2433



13.2983, 0.5427, 0.3297



9.0850, 0.3212, 0.3176



7.5690, 0.4933, 0.2491



0.2793, 0.4374, 0.2183

Previews

White Background



This preview shows how the Yxy color 36.4778, 0.2693, 0.4433 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 36.4778, 0.2693, 0.4433 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 36.4778, 0.2693, 0.4433

Background



This preview shows how black text looks on a background with the Yxy color 36.4778, 0.2693, 0.4433.



This preview shows how white text looks on a background with the Yxy color 36.4778, 0.2693, 0.4433.

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

36.4778, 0.2693, 0.4433

Protanopia

35.7295, 0.3740, 0.4021

Deuteranopia

35.7938, 0.3752, 0.3675



Tritanopia

36.2166, 0.2376, 0.3053

Trichromacy



Original Color

36.4778, 0.2693, 0.4433



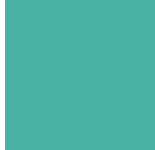
Protanomaly

34.4964, 0.3245, 0.4186



Deuteranomaly

34.3904, 0.3253, 0.3959



Tritanomaly

35.9739, 0.2481, 0.3505

Monochromacy



Original Color

36.4778, 0.2693, 0.4433



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.2695, 0.2893, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4778, 0.2693, 0.4433 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(56, 184, 120)` looks like.

```
.text, #text, p{  
  color:rgb(56, 184, 120)  
}
```

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(56, 184, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 184, 120) }
```

Border

The CSS property to change the border of an element to Yxy 36.4778, 0.2693, 0.4433 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(56, 184, 120) }
```

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

```
.border{ border-color:rgb(56, 184, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 184, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 184, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 184, 120);  
box-shadow:4px 4px 4px 4px rgb(56, 184,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 36.4778, 0.2693, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 184, 120) }
```

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

```
.background{ background-color: rgb(56, 184,  
120) }
```

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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