

Converting Colors

Yxy(36.6131, 0.2751, 0.4099)

Have a look what the booklet for
Yxy(36.6131, 0.2751, 0.4099)
contains.

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Color

Yxy(36.7196, 0.2754, 0.4112)

Conversions

Conversions Part 1

Format	Color
Hex	56B585
RGB	86, 181, 133
RGB Percent	34%, 71%, 52%
CMY	0.6629, 0.2902, 0.4784
CMYK	0.53, 0.00, 0.27, 0.29
HSL	150°, 39%, 52%
HSV	150°, 53%, 71%
XYZ	24.5928, 36.7196, 27.9862
YIQ	147.1230, -41.2120, -35.0680

Conversions

Conversions Part 2

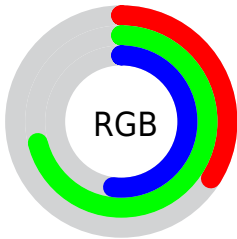
Format	Color
RYB	86, 150, 181
Decimal	5682565
CIELab	67.07, -39.43, 16.06
CIElCh	67, 42.576, 157.846
Yxy	36.7196, 0.2754, 0.4112
Android (android.graphics.Color)	4283872645 (0xFF56B585)
YUV	147.1230, -6.9626, -53.6049
Hunter-Lab	60.5967, -33.6010, 15.0350

Details

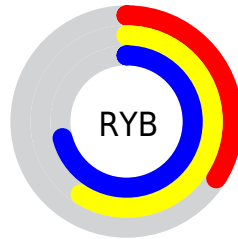
The Yxy color **36.7196, 0.2754, 0.4112** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.1932, 0.3838, 0.2617**, and the grayscale version is **29.2698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8643, 0.2835, 0.3937**, and **15.9854, 0.2621, 0.4409** is the 20% darker color. If you saturate the color by 10%, you get **35.7267, 0.2715, 0.4305**, and if you desaturate by 10%, it is **37.9550, 0.2808, 0.3928**.

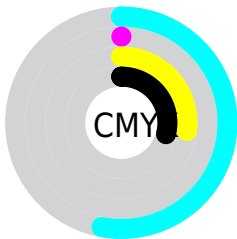
Distribution



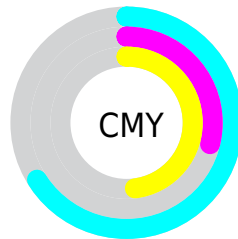
- Red (34%)
- Green (71%)
- Blue (52%)



- Red (34%)
- Yellow (59%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (27%)
- Black (29%)





- Cyan (66%)
- Magenta (29%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7196, 0.2754, 0.4112 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 36.7196, 0.2754, 0.4112 by changing the saturation by 10% instead.


 36.7196, 0.2754,
0.4112

 36.7196, 0.2754,
0.4112


332.0949, 0.2958,
0.3663


 24.9905, 0.2697,
0.4238


 70.1413, 0.2833,
0.3939

 16.0700, 0.2619,
0.4409


 92.6027, 0.2861,
0.3877

 9.5737, 0.2507,
0.4653


 119.4103, 0.2884,
0.3826

 5.1172, 0.2335,
0.5029

 150.9484, 0.2904,
0.3783

 2.3162, 0.2040,
0.5671

187.6016, 0.2920,
0.3746

 0.7823, 0.0000,
1.0000

229.7541, 0.2935,

 0.0000, 0.0000,

0.3715

0.0000

277.7905, 0.2947,
0.3687

■ 36.7196, 0.2754,
0.4112

■ 36.7196, 0.2754,
0.4112

■ 35.7267, 0.2715,
0.4305

■ 37.9550, 0.2808,
0.3928

■ 34.9545, 0.2693,
0.4502

■ 39.4439, 0.2873,
0.3755

■ 34.3846, 0.2690,
0.4697

■ 41.2021, 0.2947,
0.3595

■ 33.9936, 0.2707,
0.4886

■ 43.2426, 0.3025,
0.3451

■ 33.7825, 0.2728,
0.5021

■ 45.5778, 0.3107,
0.3320

■ 48.2191, 0.3189,
0.3205

■ 51.1773, 0.3270,
0.3102

■ 54.4630, 0.3349,
0.3012

■ 58.0858, 0.3426,
0.2933

Harmonies

Analogous

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



36.7196, 0.3373, 0.4454



36.7196, 0.2754, 0.4112



36.7196, 0.2266, 0.3473

Triad

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



36.7196, 0.2754, 0.4112



36.7196, 0.2288, 0.2294



36.7196, 0.4382, 0.3522

Complementary

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



36.7196, 0.2754, 0.4112



18.1932, 0.3838, 0.2617

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.



36.7196, 0.4036, 0.3040



36.7196, 0.2754, 0.4112



36.7196, 0.2780, 0.2368

Square

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



36.7196, 0.2754, 0.4112



36.7196, 0.2027, 0.2447



36.7196, 0.3424, 0.2633



36.7196, 0.4339, 0.4002

Rectangle

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



36.7196, 0.2754, 0.4112



36.7196, 0.2071, 0.3040



36.7196, 0.3424, 0.2633



36.7196, 0.4308, 0.3358

Sweetspot

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



36.7211, 0.2754, 0.4112



76.0065, 0.2995, 0.3503



38.8785, 0.3444, 0.4747



16.2678, 0.2979, 0.3532



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.7211, 0.2754, 0.4112



63.7417, 0.2710, 0.4335



38.2991, 0.2469, 0.3313



9.5579, 0.3051, 0.3407



23.3007, 0.2722, 0.4999



0.7449, 0.2578, 0.4480

Inverse Universe

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



18.1932, 0.3838, 0.2617



26.9669, 0.4082, 0.2502



17.1704, 0.4598, 0.3272



8.5745, 0.3211, 0.3176



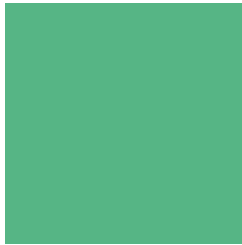
7.3117, 0.4908, 0.2477



0.2418, 0.4314, 0.2150

Previews

White Background



This preview shows how the Yxy color 36.7196, 0.2754, 0.4112 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 36.7196, 0.2754, 0.4112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

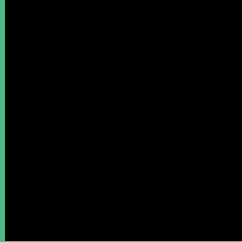
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7196, 0.2754, 0.4112

Background



This preview shows how black text looks on a background with the Yxy color 36.7196, 0.2754, 0.4112.



This preview shows how white text looks on a background with the Yxy color 36.7196, 0.2754, 0.4112.

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

36.7196, 0.2754, 0.4112

Protanopia

36.1801, 0.3586, 0.3839

Deuteranopia

36.0510, 0.3606, 0.3540



Tritanopia

36.6696, 0.2479, 0.3073

Trichromacy



Original Color

36.7196, 0.2754, 0.4112



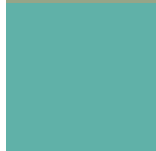
Protanomaly

35.5710, 0.3223, 0.3953



Deuteranomaly

35.1719, 0.3238, 0.3737



Tritanomaly

36.7582, 0.2579, 0.3434

Monochromacy



Original Color

36.7196, 0.2754, 0.4112



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.1092, 0.2955, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7196, 0.2754, 0.4112 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(86, 181, 133)` looks like.

```
.text, #text, p{  
    color:rgb(86, 181, 133)  
}
```

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(86, 181, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 181, 133) }
```

Border

The CSS property to change the border of an element to Yxy 36.7196, 0.2754, 0.4112 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(86, 181, 133) }
```

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

```
.border{ border-color:rgb(86, 181, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 181, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 181, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 181, 133);  
box-shadow:4px 4px 4px 4px rgb(86, 181,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7196, 0.2754, 0.4112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 181, 133) }
```

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

```
.background{ background-color: rgb(86, 181,  
133) }
```

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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