

Converting Colors

$Yxy(36.3332, 0.2646, 0.3533)$

Have a look what the booklet for
Yxy(36.3332, 0.2646, 0.3533)
contains.

Yxy(36.3332, 0.2646, 0.3533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.3332, 0.2646, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	64B0A1
RGB	100, 176, 161
RGB Percent	39%, 69%, 63%
CMY	0.6079, 0.3098, 0.3686
CMYK	0.43, 0.00, 0.09, 0.31
HSL	168°, 32%, 54%
HSV	168°, 43%, 69%
XYZ	27.2113, 36.3332, 39.2950
YIQ	151.5660, -40.4810, -20.7770

Conversions

Conversions Part 2

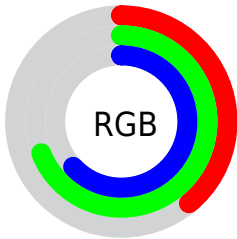
Format	Color
RYB	100, 142, 176
Decimal	6598817
CIELab	66.77, -27.24, 0.32
CIELCh	67, 27.246, 179.327
Yxy	36.3332, 0.2646, 0.3533
Android (android.graphics.Color)	4284788897 (0xFF64B0A1)
YUV	151.5660, 4.6510, -45.2234
Hunter-Lab	60.2770, -24.9031, 3.5424

Details

The Yxy color **36.3332, 0.2646, 0.3533** is a light color, and the websafe version is hex **339999**. A complement of this color would be **19.5781, 0.4007, 0.3070**, and the grayscale version is **31.1935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.6397, 0.2739, 0.3483**, and **15.8496, 0.2492, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **35.3165, 0.2565, 0.3600**, and if you desaturate by 10%, it is **37.5730, 0.2741, 0.3470**.

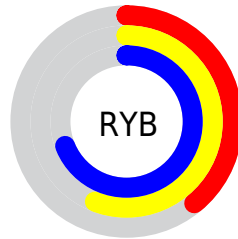
Distribution



Red (39%)

Green (69%)

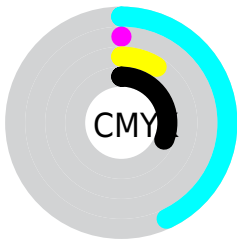
Blue (63%)



Red (39%)

Yellow (56%)

Blue (69%)

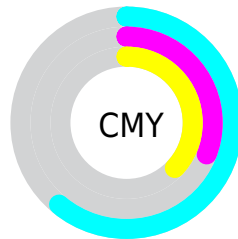


Cyan (43%)

Magenta (0%)

Yellow (9%)

Black (31%)



Cyan (61%)


Magenta (31%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.3332, 0.2646, 0.3533 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 36.3332, 0.2646, 0.3533 by changing the saturation by 10% instead.

 36.3332, 0.2646,
0.3533


 36.3332, 0.2646,
0.3533


330.4146, 0.2896,
0.3407

 24.6916, 0.2581,
0.3566


 69.5460, 0.2739,
0.3486


 15.8475, 0.2495,
0.3609


 91.8861, 0.2773,
0.3469

 9.4163, 0.2378,
0.3669


 118.5612, 0.2802,
0.3454

 5.0137, 0.2209,
0.3755

 149.9555, 0.2826,
0.3442

 2.2553, 0.1945,
0.3891

186.4537, 0.2847,
0.3431

 0.7499, 0.0300,
0.4711

228.4400, 0.2865,

 0.0000, 0.0000,

0.3422

0.0000

276.2988, 0.2881,
0.3414

■ 36.3332, 0.2646,
0.3533

■ 36.3332, 0.2646,
0.3533

■ 35.3165, 0.2565,
0.3600

■ 37.5730, 0.2741,
0.3470

■ 34.5044, 0.2502,
0.3669

■ 39.0444, 0.2848,
0.3410

■ 33.8826, 0.2457,
0.3740


■ 40.7607, 0.2964,
0.3355

■ 33.4329, 0.2431,
0.3811

■ 42.7330, 0.3087,
0.3305

■ 33.1337, 0.2423,
0.3882


■ 44.9716, 0.3213,
0.3260

 32.9844, 0.2425,
0.3930

 47.4864, 0.3341,
0.3219

 50.2867, 0.3469,
0.3183

 53.3812, 0.3595,
0.3151

 56.1314, 0.3688,
0.3122

Harmonies

Analogous

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



36.3332, 0.3010, 0.3882



36.3332, 0.2646, 0.3533



36.3332, 0.2418, 0.3128

Triad

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



36.3332, 0.2646, 0.3533



36.3332, 0.2800, 0.2639



36.3332, 0.3946, 0.3701

Complementary

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



36.3332, 0.2646, 0.3533



19.5781, 0.4007, 0.3070

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.



36.3332, 0.3890, 0.3373



36.3332, 0.2646, 0.3533



36.3332, 0.3205, 0.2786

Square

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



36.3332, 0.2646, 0.3533



36.3332, 0.2503, 0.2641



36.3332, 0.3612, 0.3047



36.3332, 0.3767, 0.3953

Rectangle

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



36.3332, 0.2646, 0.3533



36.3332, 0.2364, 0.2899



36.3332, 0.3612, 0.3047



36.3332, 0.3954, 0.3596

Sweetspot

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



36.3346, 0.2646, 0.3533



73.9097, 0.2964, 0.3355



35.6304, 0.3188, 0.4558



15.8630, 0.2938, 0.3367



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.3346, 0.2646, 0.3533



64.0943, 0.2568, 0.3598



28.6901, 0.2488, 0.2912



9.6022, 0.3011, 0.3335



24.2074, 0.2423, 0.3922



0.7690, 0.2368, 0.3725

Inverse Universe

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



19.5781, 0.4007, 0.3070



29.6403, 0.4324, 0.3027



24.2633, 0.4080, 0.3631



8.5318, 0.3257, 0.3245



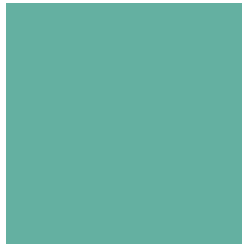
6.8671, 0.6051, 0.3107



0.2241, 0.5315, 0.2701

Previews

White Background



This preview shows how the Yxy color 36.3332, 0.2646, 0.3533 looks on a white background.

Color Contrast Check

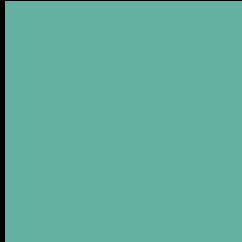
Large Text (above 18pt) WCAG AA × Fail

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 36.3332, 0.2646, 0.3533 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 36.3332, 0.2646, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 36.3332, 0.2646, 0.3533.



This preview shows how white text looks on a background with the Yxy color 36.3332, 0.2646, 0.3533.

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

36.3332, 0.2646, 0.3533

Protanopia

36.0051, 0.3257, 0.3406

Deuteranopia

36.0607, 0.3240, 0.3179



Tritanopia

36.1760, 0.2521, 0.3073

Trichromacy



Original Color

36.3332, 0.2646, 0.3533

Protanomaly

35.5124, 0.3002, 0.3443

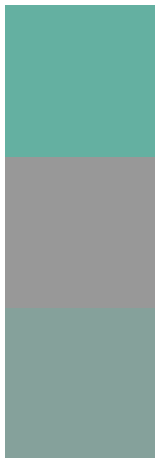
Deuteranomaly

35.5272, 0.2980, 0.3290

Tritanomaly

36.0045, 0.2561, 0.3225

Monochromacy



Original Color

36.3332, 0.2646, 0.3533

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8428, 0.2920, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3332, 0.2646, 0.3533 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(100, 176, 161)` looks like.

```
.text, #text, p{  
    color:rgb(100, 176, 161)  
}
```

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(100, 176, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 176, 161) }
```

Border

The CSS property to change the border of an element to Yxy 36.3332, 0.2646, 0.3533 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(100, 176, 161) }
```

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

```
.border{ border-color:rgb(100, 176, 161) }
```

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

Here you see how a box with a 4 pixel rgb(100, 176, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 176, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 176, 161);  
box-shadow:4px 4px 4px 4px rgb(100, 176,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3332, 0.2646, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 176, 161) }
```

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

```
.background{ background-color: rgb(100,  
176, 161) }
```

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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