

Converting Colors

$Y_{xy}(36.0242, 0.2750, 0.3346)$

Have a look what the booklet for
Yxy(36.0242, 0.2750, 0.3346)
contains.

Yxy(36.0534, 0.2748, 0.3351)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.0534, 0.2748, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	7AABA7
RGB	122, 171, 167
RGB Percent	48%, 67%, 65%
CMY	0.5216, 0.3294, 0.3450
CMYK	0.29, 0.00, 0.02, 0.33
HSL	175°, 23%, 57%
HSV	175°, 29%, 67%
XYZ	29.5657, 36.0534, 41.9708
YIQ	155.8930, -27.9200, -11.6320

Conversions

Conversions Part 2

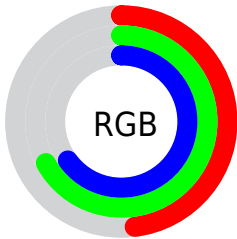
Format	Color
RYB	122, 148, 171
Decimal	8039335
CIELab	66.56, -17.08, -3.21
CIElCh	67, 17.382, 190.637
Yxy	36.0534, 0.2748, 0.3351
Android (android.graphics.Color)	4286229415 (0xFF7AABA7)
YUV	155.8930, 5.4758, -29.7242
Hunter-Lab	60.0445, -17.1850, 0.5877

Details

The Yxy color **36.0534, 0.2748, 0.3351** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.0836, 0.3692, 0.3231**, and the grayscale version is **33.1814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8967, 0.2822, 0.3336**, and **15.7710, 0.2633, 0.3379** is the 20% darker color. If you saturate the color by 10%, you get **34.8634, 0.2636, 0.3375**, and if you desaturate by 10%, it is **37.4665, 0.2872, 0.3328**.

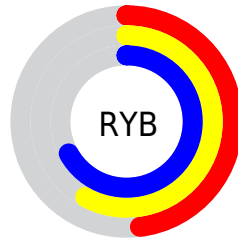
Distribution



Red (48%)

Green (67%)

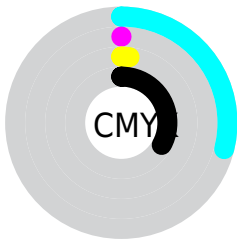
Blue (65%)



Red (48%)

Yellow (58%)

Blue (67%)

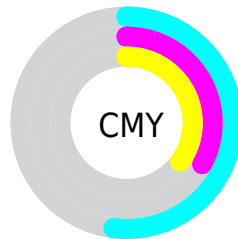


Cyan (29%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (52%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0534, 0.2748, 0.3351 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 36.0534, 0.2748, 0.3351 by changing the saturation by 10% instead.

 36.0534, 0.2748,
0.3351


 36.0534, 0.2748,
0.3351


329.1939, 0.2944,
0.3321


 24.4754, 0.2697,
0.3358


 69.1145, 0.2821,
0.3340

 15.6867, 0.2630,
0.3367


 91.3664, 0.2848,
0.3336

 9.3027, 0.2538,
0.3379


 117.9451, 0.2870,
0.3333

 4.9392, 0.2406,
0.3393

149.2349, 0.2890,
0.3330

 2.2116, 0.2197,
0.3413

185.6203, 0.2906,
0.3327

 0.7263, 0.1356,
0.3603

227.4857, 0.2920,

 0.0000, 0.0000,

0.3325

0.0000

275.2154, 0.2933,
0.3323

■ 36.0534, 0.2748,
0.3351

■ 36.0534, 0.2748,
0.3351

■ 34.8634, 0.2636,
0.3375

■ 37.4665, 0.2872,
0.3328

■ 33.8806, 0.2539,
0.3401

■ 39.1091, 0.3006,
0.3307

■ 33.0939, 0.2459,
0.3428

■ 40.9925, 0.3146,
0.3288

■ 32.4894, 0.2396,
0.3455

■ 43.1261, 0.3291,
0.3270

■ 32.0513, 0.2353,
0.3482

■ 45.5188, 0.3437,
0.3254

■ 31.7614, 0.2328,
0.3509

■ 48.1790, 0.3583,
0.3241

■ 31.5859, 0.2318,
0.3536

■ 51.1150, 0.3726,
0.3229

■ 31.5646, 0.2317,
0.3539

■ 53.6057, 0.3832,
0.3217

■ 53.6618, 0.3819,
0.3203

Harmonies

Analogous

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



36.0534, 0.2960, 0.3588



36.0534, 0.2748, 0.3351



36.0534, 0.2637, 0.3107

Triad

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



36.0534, 0.2748, 0.3351



36.0534, 0.3014, 0.2886



36.0534, 0.3625, 0.3634

Complementary

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



36.0534, 0.2748, 0.3351



24.0836, 0.3692, 0.3231

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.



36.0534, 0.3644, 0.3437



36.0534, 0.2748, 0.3351



36.0534, 0.3283, 0.3017

Square

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



36.0534, 0.2748, 0.3351



36.0534, 0.2785, 0.2852



36.0534, 0.3517, 0.3215



36.0534, 0.3468, 0.3750

Rectangle

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



36.0534, 0.2748, 0.3351



36.0534, 0.2631, 0.2977



36.0534, 0.3517, 0.3215



36.0534, 0.3648, 0.3575

Sweetspot

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



36.0549, 0.2748, 0.3351



69.8827, 0.2999, 0.3308



34.9735, 0.3125, 0.4094



15.4858, 0.2980, 0.3311



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.



36.0549, 0.2748, 0.3351



63.2563, 0.2680, 0.3365



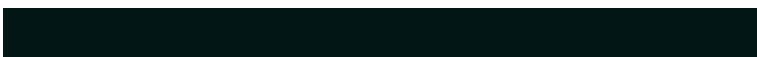
29.0780, 0.2686, 0.2961



9.0607, 0.2997, 0.3308



23.7985, 0.2316, 0.3537



0.6653, 0.2293, 0.3455

Inverse Universe

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



24.0836, 0.3692, 0.3231



38.4786, 0.3859, 0.3219



29.5341, 0.3659, 0.3597



8.0255, 0.3274, 0.3272



6.5539, 0.6291, 0.3240



0.1857, 0.5862, 0.3003

Previews

White Background



This preview shows how the Yxy color 36.0534, 0.2748, 0.3351 looks on a white background.

Color Contrast Check

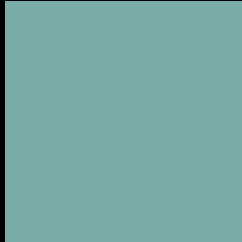
Large Text (above 18pt) WCAG AA × Fail

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 36.0534, 0.2748, 0.3351 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

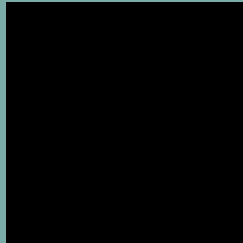
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0534, 0.2748, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 36.0534, 0.2748, 0.3351.

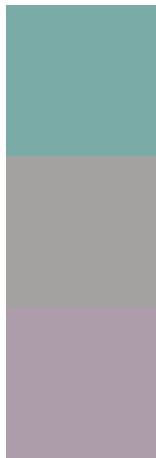


This preview shows how white text looks on a background with the Yxy color 36.0534, 0.2748, 0.3351.

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

36.0534, 0.2748, 0.3351

Protanopia

35.9555, 0.3156, 0.3290

Deuteranopia

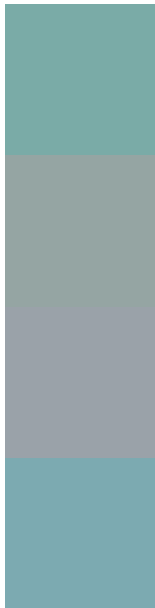
35.9005, 0.3165, 0.3109



Tritanopia

36.1133, 0.2662, 0.3092

Trichromacy



Original Color

36.0534, 0.2748, 0.3351

Protanomaly

35.9442, 0.2998, 0.3319

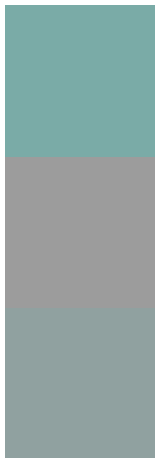
Deuteranomaly

35.5753, 0.2993, 0.3187

Tritanomaly

36.2089, 0.2691, 0.3182

Monochromacy



Original Color

36.0534, 0.2748, 0.3351

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.9571, 0.2977, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0534, 0.2748, 0.3351 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(122, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(122, 171, 167)  
}
```

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(122, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 171, 167) }
```

Border

The CSS property to change the border of an element to Yxy 36.0534, 0.2748, 0.3351 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(122, 171, 167) }
```

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

```
.border{ border-color:rgb(122, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 171, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 171, 167); box-shadow:4px 4px 4px 4px rgb(122, 171, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0534, 0.2748, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 171, 167) }
```

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

```
.background{ background-color: rgb(122,  
171, 167) }
```

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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