

Converting Colors

$Yxy(36.4559, 0.2654, 0.3748)$

Have a look what the booklet for
Yxy(36.4559, 0.2654, 0.3748)
contains.

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Color

$\text{Yxy}(36.6482, 0.2657, 0.3757)$

Conversions

Conversions Part 1

Format	Color
Hex	5AB397
RGB	90, 179, 151
RGB Percent	35%, 70%, 59%
CMY	0.6472, 0.2980, 0.4079
CMYK	0.50, 0.00, 0.16, 0.30
HSL	161°, 37%, 53%
HSV	161°, 50%, 70%
XYZ	25.9181, 36.6482, 34.9802
YIQ	149.1970, -44.0560, -27.5760

Conversions

Conversions Part 2

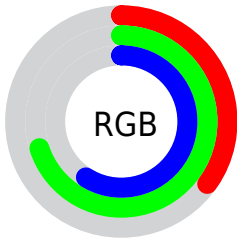
Format	Color
RYB	90, 143, 179
Decimal	5944215
CIELab	67.01, -33.58, 6.15
CIElCh	67, 34.136, 169.626
Yxy	36.6482, 0.2657, 0.3757
Android (android.graphics.Color)	4284134295 (0xFF5AB397)
YUV	149.1970, 0.8889, -51.9158
Hunter-Lab	60.5378, -29.5197, 8.1173

Details

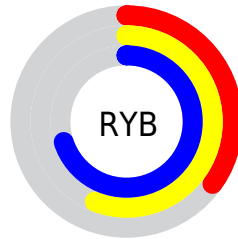
The Yxy color **36.6482, 0.2657, 0.3757** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.1970, 0.4049, 0.2888**, and the grayscale version is **30.1479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.9354, 0.2753, 0.3661**, and **16.1178, 0.2509, 0.3927** is the 20% darker color. If you saturate the color by 10%, you get **35.6794, 0.2597, 0.3871**, and if you desaturate by 10%, it is **37.8448, 0.2732, 0.3649**.

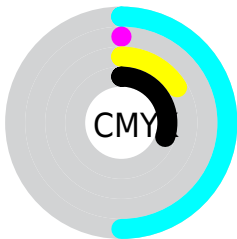
Distribution



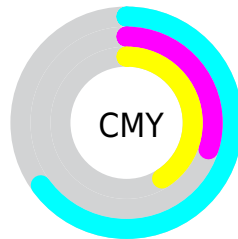
- Red (35%)
- Green (70%)
- Blue (59%)



- Red (35%)
- Yellow (56%)
- Blue (70%)



- Cyan (50%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)





- Cyan (65%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6482, 0.2657, 0.3757 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 36.6482, 0.2657, 0.3757 by changing the saturation by 10% instead.


 36.6482, 0.2657,
0.3757


 36.6482, 0.2657,
0.3757

331.7849, 0.2904,
0.3508

 24.9352, 0.2591,
0.3825


 70.0314, 0.2750,
0.3662


 16.0288, 0.2505,
0.3915


 92.4704, 0.2783,
0.3628

 9.5445, 0.2385,
0.4043


 119.2535, 0.2812,
0.3600

 5.0980, 0.2210,
0.4234

 150.7652, 0.2836,
0.3576

 2.3049, 0.1930,
0.4552

187.3897, 0.2856,
0.3555

 0.7763, 0.0000,
0.6514

229.5116, 0.2874,

 0.0000, 0.0000,

0.3537

0.0000

277.5152, 0.2890,
0.3522

■ 36.6482, 0.2657,
0.3757

■ 36.6482, 0.2657,
0.3757

■ 35.6794, 0.2597,
0.3871

■ 37.8448, 0.2732,
0.3649

■ 34.9181, 0.2555,
0.3988

■ 39.2791, 0.2820,
0.3547

■ 34.3477, 0.2532,
0.4108

■ 40.9657, 0.2918,
0.3452

■ 33.9469, 0.2528,
0.4227


■ 42.9168, 0.3022,
0.3366

■ 33.6729, 0.2541,
0.4344

■ 45.1437, 0.3130,
0.3288

 33.6664, 0.2541,
0.4347

 47.6571, 0.3240,
0.3218

 50.4670, 0.3350,
0.3156

 53.5832, 0.3458,
0.3101

 57.0146, 0.3564,
0.3053

Harmonies

Analogous

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



36.6482, 0.3137, 0.4139



36.6482, 0.2657, 0.3757



36.6482, 0.2320, 0.3238

Triad

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



36.6482, 0.2657, 0.3757



36.6482, 0.2583, 0.2472



36.6482, 0.4161, 0.3657

Complementary

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



36.6482, 0.2657, 0.3757



18.1970, 0.4049, 0.2888

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.



36.6482, 0.3997, 0.3249



36.6482, 0.2657, 0.3757



36.6482, 0.3048, 0.2598

Square

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



36.6482, 0.2657, 0.3757



36.6482, 0.2284, 0.2531



36.6482, 0.3575, 0.2874



36.6482, 0.4020, 0.4018

Rectangle

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



36.6482, 0.2657, 0.3757



36.6482, 0.2210, 0.2923



36.6482, 0.3575, 0.2874



36.6482, 0.4141, 0.3522

Sweetspot

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



36.6497, 0.2657, 0.3757



74.8701, 0.2964, 0.3413



36.8442, 0.3275, 0.4740



16.4296, 0.2942, 0.3431



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.



36.6497, 0.2657, 0.3757



63.7003, 0.2591, 0.3886



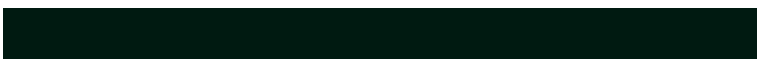
31.5086, 0.2434, 0.3021



9.5851, 0.3026, 0.3363



23.7994, 0.2537, 0.4334



0.7588, 0.2446, 0.4006

Inverse Universe

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



18.1970, 0.4049, 0.2888



26.7569, 0.4391, 0.2818



20.6885, 0.4371, 0.3530



8.5479, 0.3239, 0.3219



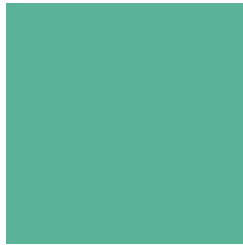
6.9869, 0.5674, 0.2899



0.2307, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 36.6482, 0.2657, 0.3757 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 36.6482, 0.2657, 0.3757 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 36.6482, 0.2657, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 36.6482, 0.2657, 0.3757.

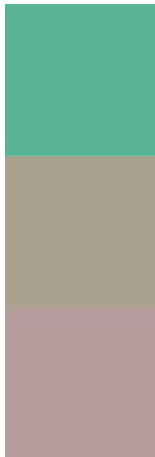


This preview shows how white text looks on a background with the Yxy color 36.6482, 0.2657, 0.3757.

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

36.6482, 0.2657, 0.3757

Protanopia

36.3397, 0.3387, 0.3580

Deuteranopia

36.2175, 0.3365, 0.3305



Tritanopia

36.6696, 0.2479, 0.3073

Trichromacy



Original Color

36.6482, 0.2657, 0.3757

Protanomaly

35.7123, 0.3074, 0.3648

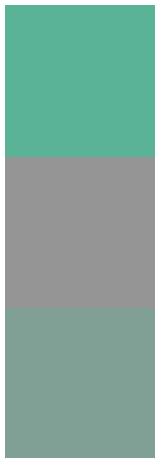
Deuteranomaly

35.4464, 0.3055, 0.3457

Tritanomaly

36.6872, 0.2539, 0.3304

Monochromacy



Original Color

36.6482, 0.2657, 0.3757

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.9328, 0.2916, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6482, 0.2657, 0.3757 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(90, 179, 151)` looks like.

```
.text, #text, p{  
    color:rgb(90, 179, 151)  
}
```

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(90, 179, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 179, 151) }
```

Border

The CSS property to change the border of an element to Yxy 36.6482, 0.2657, 0.3757 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(90, 179, 151) }
```

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

```
.border{ border-color:rgb(90, 179, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 179, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 179, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 179, 151);  
box-shadow:4px 4px 4px 4px rgb(90, 179,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6482, 0.2657, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 179, 151) }
```

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

```
.background{ background-color: rgb(90, 179,  
151) }
```

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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