

Converting Colors

$Yxy(37.1746, 0.2467, 0.3207)$

Have a look what the booklet for
Yxy(37.1746, 0.2467, 0.3207)
contains.

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Color

Yxy(37.0458, 0.2467, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	5BB1B6
RGB	91, 177, 182
RGB Percent	36%, 69%, 71%
CMY	0.6432, 0.3059, 0.2862
CMYK	0.50, 0.03, 0.00, 0.29
HSL	183°, 38%, 54%
HSV	183°, 50%, 71%
XYZ	28.4799, 37.0458, 49.9177
YIQ	151.8560, -52.8610, -16.6770

Conversions

Conversions Part 2

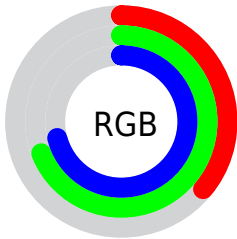
Format	Color
RYB	91, 135, 182
Decimal	6009270
CIELab	67.31, -24.52, -10.58
CIElCh	67, 26.702, 203.332
Yxy	37.0458, 0.2467, 0.3209
Android (android.graphics.Color)	4284199350 (0xFF5BB1B6)
YUV	151.8560, 14.8610, -53.3707
Hunter-Lab	60.8653, -22.9910, -6.0201

Details

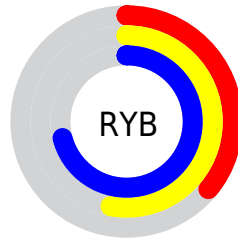
The Yxy color **37.0458, 0.2467, 0.3209** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.0681, 0.4476, 0.3365**, and the grayscale version is **31.2847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7468, 0.2592, 0.3229**, and **16.2333, 0.2272, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **35.8369, 0.2377, 0.3191**, and if you desaturate by 10%, it is **38.4848, 0.2574, 0.3227**.

Distribution



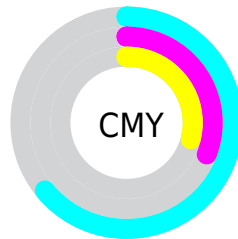
- Red (36%)
- Green (69%)
- Blue (71%)



- Red (36%)
- Yellow (53%)
- Blue (71%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)





- Cyan (64%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0458, 0.2467, 0.3209 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 37.0458, 0.2467, 0.3209 by changing the saturation by 10% instead.

 37.0458, 0.2467,
0.3209


 37.0458, 0.2467,
0.3209


333.5088, 0.2802,
0.3259


 25.2430, 0.2382,
0.3193


 70.6432, 0.2590,
0.3229


 16.2582, 0.2272,
0.3171


 93.2066, 0.2636,
0.3236

 9.7070, 0.2126,
0.3138


 120.1256, 0.2674,
0.3242

 5.2051, 0.1921,
0.3084

 151.7846, 0.2707,
0.3247

 2.3681, 0.1618,
0.2985

188.5680, 0.2736,
0.3251

 0.8094, 0.0619,
0.2932

230.8603, 0.2761,

 0.0000, 0.0000,

0.3254

0.0000

279.0457, 0.2783,
0.3257

■ 37.0458, 0.2467,
0.3209

■ 37.0458, 0.2467,
0.3209

■ 35.8369, 0.2377,
0.3191

■ 38.4848, 0.2574,
0.3227

■ 34.8373, 0.2306,
0.3172

■ 40.1645, 0.2696,
0.3244

■ 34.0296, 0.2254,
0.3154

■ 42.0998, 0.2831,
0.3261

■ 33.3918, 0.2220,
0.3135

■ 44.3034, 0.2975,
0.3276

■ 32.8789, 0.2199,
0.3117

■ 46.7870, 0.3127,
0.3290

■ 49.5616, 0.3282,
0.3303

■ 52.6377, 0.3440,
0.3314

■ 56.0251, 0.3596,
0.3325

■ 59.7333, 0.3749,
0.3334

Harmonies

Analogous

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



37.0458, 0.2721, 0.3604



37.0458, 0.2467, 0.3209



37.0458, 0.2382, 0.2872

Triad

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



37.0458, 0.2467, 0.3209



37.0458, 0.3120, 0.2759



37.0458, 0.3802, 0.3898

Complementary

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



37.0458, 0.2467, 0.3209



19.0681, 0.4476, 0.3365

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.



37.0458, 0.3932, 0.3632



37.0458, 0.2467, 0.3209



37.0458, 0.3526, 0.2996

Square

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



37.0458, 0.2467, 0.3209



37.0458, 0.2740, 0.2643



37.0458, 0.3831, 0.3306



37.0458, 0.3490, 0.4016

Rectangle

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



37.0458, 0.2467, 0.3209



37.0458, 0.2427, 0.2724



37.0458, 0.3831, 0.3306



37.0458, 0.3869, 0.3821

Sweetspot

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



37.0472, 0.2467, 0.3209



78.1457, 0.2899, 0.3268



36.5245, 0.3026, 0.4778



17.0775, 0.2868, 0.3265



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.



37.0472, 0.2467, 0.3209



64.7561, 0.2369, 0.3189



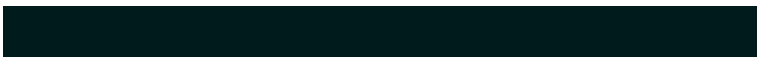
22.0898, 0.2320, 0.2440



10.1235, 0.2985, 0.3277



23.2444, 0.2200, 0.3120



0.8454, 0.2213, 0.3166

Inverse Universe

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



20.6007, 0.3243, 0.2157



31.8638, 0.3270, 0.1957



29.7682, 0.4123, 0.3995



9.1540, 0.3146, 0.3077



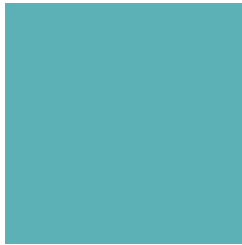
9.1289, 0.3350, 0.1619



0.3244, 0.3311, 0.1597

Previews

White Background



This preview shows how the Yxy color 37.0458, 0.2467, 0.3209 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 37.0458, 0.2467, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

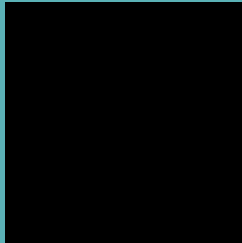
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

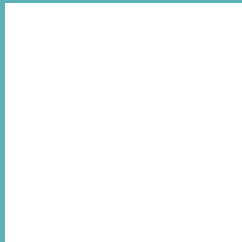
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0458, 0.2467, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 37.0458, 0.2467, 0.3209.

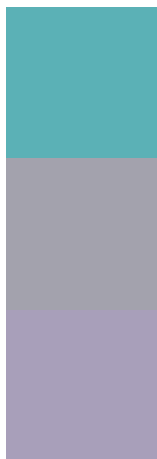


This preview shows how white text looks on a background with the Yxy color 37.0458, 0.2467, 0.3209.

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

37.0458, 0.2467, 0.3209

Protanopia

36.6443, 0.3041, 0.3133

Deuteranopia

36.6663, 0.2978, 0.2918



Tritanopia

37.1481, 0.2434, 0.3072

Trichromacy



Original Color

37.0458, 0.2467, 0.3209

Protanomaly

36.0904, 0.2794, 0.3154

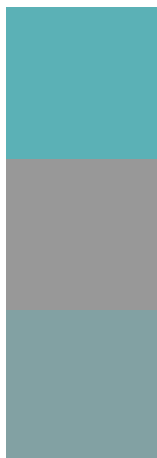
Deuteranomaly

36.3507, 0.2751, 0.3011

Tritanomaly

36.9657, 0.2446, 0.3117

Monochromacy



Original Color

37.0458, 0.2467, 0.3209

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8799, 0.2830, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0458, 0.2467, 0.3209 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(91, 177, 182)` looks like.

```
.text, #text, p{  
    color:rgb(91, 177, 182)  
}
```

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(91, 177, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 177, 182) }
```

Border

The CSS property to change the border of an element to Yxy 37.0458, 0.2467, 0.3209 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(91, 177, 182) }
```

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

```
.border{ border-color:rgb(91, 177, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 177, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 177, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 177, 182);  
box-shadow:4px 4px 4px 4px rgb(91, 177,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0458, 0.2467, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 177, 182) }
```

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

```
.background{ background-color: rgb(91, 177,  
182) }
```

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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