

Converting Colors

$Yxy(37.1724, 0.2450, 0.3126)$

Have a look what the booklet for
Yxy(37.1724, 0.2450, 0.3126)
contains.

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Color

Yxy(36.9657, 0.2446, 0.3117)

Conversions

Conversions Part 1

Format	Color
Hex	5DB0BB
RGB	93, 176, 187
RGB Percent	36%, 69%, 73%
CMY	0.6353, 0.3098, 0.2667
CMYK	0.50, 0.06, 0.00, 0.27
HSL	187°, 41%, 55%
HSV	187°, 50%, 73%
XYZ	29.0081, 36.9657, 52.6201
YIQ	152.4370, -52.9990, -14.1750

Conversions

Conversions Part 2

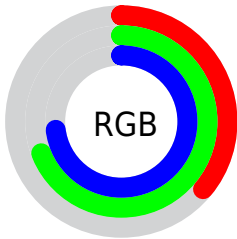
Format	Color
RYB	93, 137, 187
Decimal	6140091
CIELab	67.25, -22.20, -13.41
CIELCh	67, 25.940, 211.136
Yxy	36.9657, 0.2446, 0.3117
Android (android.graphics.Color)	4284330171 (0xFF5DB0BB)
YUV	152.4370, 17.0396, -52.1262
Hunter-Lab	60.7994, -21.2347, -8.7541

Details

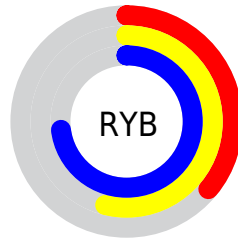
The Yxy color **36.9657, 0.2446, 0.3117** is a light color, and the websafe version is hex **669999**. A complement of this color would be **21.2528, 0.4445, 0.3446**, and the grayscale version is **31.5397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6683, 0.2576, 0.3159**, and **16.1632, 0.2244, 0.3042** is the 20% darker color. If you saturate the color by 10%, you get **35.2569, 0.2349, 0.3077**, and if you desaturate by 10%, it is **38.9297, 0.2559, 0.3156**.

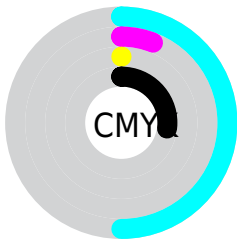
Distribution



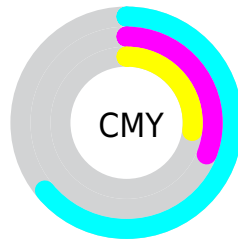
- Red (36%)
- Green (69%)
- Blue (73%)



- Red (36%)
- Yellow (54%)
- Blue (73%)



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)




- Cyan (64%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9657, 0.2446, 0.3117 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 36.9657, 0.2446, 0.3117 by changing the saturation by 10% instead.


 36.9657, 0.2446,
0.3117


 36.9657, 0.2446,
0.3117


333.1620, 0.2791,
0.3215


 25.1809, 0.2359,
0.3089


 70.5200, 0.2572,
0.3155

 16.2119, 0.2247,
0.3050


 93.0584, 0.2619,
0.3169

 9.6742, 0.2097,
0.2994


 119.9501, 0.2659,
0.3180

 5.1835, 0.1890,
0.2909

 151.5794, 0.2693,
0.3189

 2.3553, 0.1585,
0.2763

188.3309, 0.2723,
0.3197

 0.8028, 0.0711,
0.2583

230.5889, 0.2748,

 0.0000, 0.0000,

0.3204

0.0000

278.7378, 0.2771,
0.3210

■ 36.9657, 0.2446,
0.3117

■ 36.9657, 0.2446,
0.3117

■ 35.2569, 0.2349,
0.3077

■ 38.9297, 0.2559,
0.3156

■ 33.7814, 0.2271,
0.3037

■ 41.1606, 0.2686,
0.3193

■ 32.5202, 0.2211,
0.2996

■ 43.6745, 0.2825,
0.3227

■ 31.4495, 0.2170,
0.2956

■ 46.4849, 0.2971,
0.3260

■ 30.5445, 0.2144,
0.2917

■ 49.6043, 0.3123,
0.3289

■ 53.0448, 0.3277,
0.3316

■ 56.8173, 0.3432,
0.3340

■ 60.9327, 0.3585,
0.3362

■ 64.1885, 0.3682,
0.3382

Harmonies

Analogous

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



36.9657, 0.2654, 0.3497



36.9657, 0.2446, 0.3117



36.9657, 0.2409, 0.2820

Triad

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



36.9657, 0.2446, 0.3117



36.9657, 0.3226, 0.2823



36.9657, 0.3718, 0.3929

Complementary

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



36.9657, 0.2446, 0.3117



21.2528, 0.4445, 0.3446

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.



36.9657, 0.3898, 0.3700



36.9657, 0.2446, 0.3117



36.9657, 0.3607, 0.3078

Square

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



36.9657, 0.2446, 0.3117



36.9657, 0.2839, 0.2676



36.9657, 0.3859, 0.3391



36.9657, 0.3384, 0.3991

Rectangle

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



36.9657, 0.2446, 0.3117



36.9657, 0.2483, 0.2702



36.9657, 0.3859, 0.3391



36.9657, 0.3800, 0.3867

Sweetspot

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



36.9671, 0.2446, 0.3117



80.6840, 0.2897, 0.3244



38.8665, 0.2988, 0.4687



17.5358, 0.2867, 0.3237



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.9671, 0.2446, 0.3117



62.9467, 0.2343, 0.3074



21.6221, 0.2294, 0.2324



10.6138, 0.2985, 0.3262



21.1137, 0.2145, 0.2922



0.8817, 0.2172, 0.3018

Inverse Universe

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



21.5265, 0.3314, 0.2212



32.9023, 0.3362, 0.2026



33.4765, 0.4086, 0.4080



9.6765, 0.3155, 0.3090



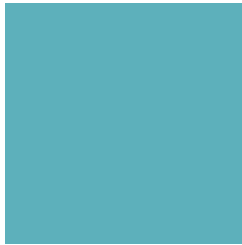
9.1611, 0.3524, 0.1715



0.3644, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 36.9657, 0.2446, 0.3117 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 36.9657, 0.2446, 0.3117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

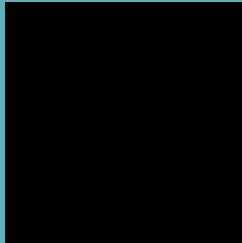
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9657, 0.2446, 0.3117

Background



This preview shows how black text looks on a background with the Yxy color 36.9657, 0.2446, 0.3117.



This preview shows how white text looks on a background with the Yxy color 36.9657, 0.2446, 0.3117.

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

36.9657, 0.2446, 0.3117

Protanopia

36.6321, 0.2981, 0.3063

Deuteranopia

36.5572, 0.2910, 0.2850



Tritanopia

37.1481, 0.2434, 0.3072

Trichromacy



Original Color

36.9657, 0.2446, 0.3117

Protanomaly

36.2079, 0.2749, 0.3081

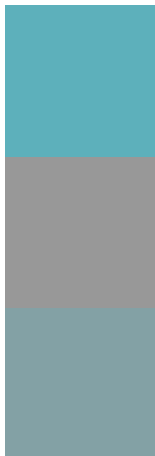
Deuteranomaly

36.1169, 0.2706, 0.2926

Tritanomaly

37.1045, 0.2440, 0.3087

Monochromacy



Original Color

36.9657, 0.2446, 0.3117

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

33.0316, 0.2823, 0.3226

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9657, 0.2446, 0.3117 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(93, 176, 187)` looks like.

```
.text, #text, p{  
    color:rgb(93, 176, 187)  
}
```

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(93, 176, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 176, 187) }
```

Border

The CSS property to change the border of an element to Yxy 36.9657, 0.2446, 0.3117 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(93, 176, 187) }
```

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

```
.border{ border-color:rgb(93, 176, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 176, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 176, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 176, 187);  
box-shadow:4px 4px 4px 4px rgb(93, 176,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9657, 0.2446, 0.3117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 176, 187) }
```

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

```
.background{ background-color: rgb(93, 176,  
187) }
```

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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