

Converting Colors

$Yxy(37.5394, 0.2492, 0.3011)$

Have a look what the booklet for
Yxy(37.5394, 0.2492, 0.3011)
contains.

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Color

Yxy(37.6983, 0.2493, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	6CAFC1
RGB	108, 175, 193
RGB Percent	42%, 69%, 76%
CMY	0.5763, 0.3137, 0.2432
CMYK	0.44, 0.09, 0.00, 0.24
HSL	193°, 41%, 59%
HSV	193°, 44%, 76%
XYZ	31.1404, 37.6983, 56.0728
YIQ	157.0190, -45.7100, -8.6060

Conversions

Conversions Part 2

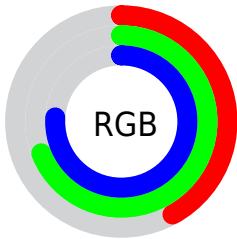
Format	Color
R _Y B	108, 145, 193
Decimal	7122881
CIE Lab	67.80, -16.50, -15.83
CIE LCh	68, 22.870, 223.808
Yxy	37.6983, 0.2493, 0.3018
Android (android.graphics.Color)	4285312961 (0xFF6CAFC1)
YUV	157.0190, 17.7386, -42.9897
Hunter-Lab	61.3989, -16.9161, -11.1675

Details

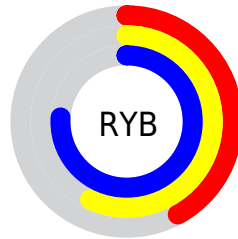
The Yxy color **37.6983, 0.2493, 0.3018** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3419, 0.4161, 0.3538**, and the grayscale version is **33.6634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7779, 0.2610, 0.3083**, and **16.5132, 0.2308, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **35.0545, 0.2375, 0.2945**, and if you desaturate by 10%, it is **40.6609, 0.2625, 0.3088**.

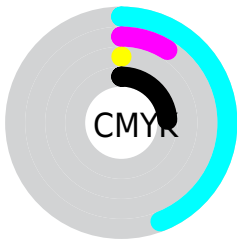
Distribution



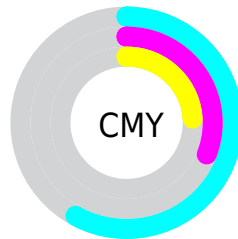
- Red (42%)
- Green (69%)
- Blue (76%)



- Red (42%)
- Yellow (57%)
- Blue (76%)



- Cyan (44%)
- Magenta (9%)
- Yellow (0%)
- Black (24%)





- Cyan (58%)
- Magenta (31%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6983, 0.2493, 0.3018 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 37.6983, 0.2493, 0.3018 by changing the saturation by 10% instead.

 37.6983, 0.2493,
0.3018


 37.6983, 0.2493,
0.3018


336.3240, 0.2814,
0.3165

 25.7486, 0.2412,
0.2978


 71.6455, 0.2610,
0.3074

 16.6357, 0.2309,
0.2925


 94.4118, 0.2654,
0.3094

 9.9751, 0.2171,
0.2850


 121.5524, 0.2691,
0.3111

 5.3824, 0.1979,
0.2740

 153.4517, 0.2723,
0.3125

 2.4734, 0.1698,
0.2563

190.4941, 0.2750,
0.3137

 0.8632, 0.1104,
0.2282

233.0640, 0.2774,

 0.0000, 0.0000,

0.3148

0.0000

281.5459, 0.2795,
0.3157

■ 37.6983, 0.2493,
0.3018

■ 37.6983, 0.2493,
0.3018

■ 35.0545, 0.2375,
0.2945

■ 40.6609, 0.2625,
0.3088

■ 32.7069, 0.2272,
0.2869

■ 43.9545, 0.2766,
0.3153

■ 30.6364, 0.2187,
0.2792


■ 47.5960, 0.2914,
0.3214


■ 28.8196, 0.2122,
0.2715


■ 51.5997, 0.3066,
0.3269

■ 27.2279, 0.2075,
0.2638

■ 55.9790, 0.3219,
0.3319

 26.3507, 0.2054,
0.2592

 60.7466, 0.3370,
0.3365

 65.9145, 0.3519,
0.3405

 70.0606, 0.3604,
0.3443

 72.0736, 0.3594,
0.3484

Harmonies

Analogous

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



37.6983, 0.2617, 0.3330



37.6983, 0.2493, 0.3018



37.6983, 0.2527, 0.2805

Triad

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



37.6983, 0.2493, 0.3018



37.6983, 0.3363, 0.2964



37.6983, 0.3536, 0.3894

Complementary

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



37.6983, 0.2493, 0.3018



27.3419, 0.4161, 0.3538

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.



37.6983, 0.3758, 0.3751



37.6983, 0.2493, 0.3018



37.6983, 0.3659, 0.3219

Square

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



37.6983, 0.2493, 0.3018



37.6983, 0.3013, 0.2788



37.6983, 0.3806, 0.3502



37.6983, 0.3211, 0.3865

Rectangle

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



37.6983, 0.2493, 0.3018



37.6983, 0.2635, 0.2737



37.6983, 0.3806, 0.3502



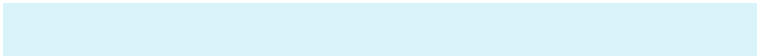
37.6983, 0.3626, 0.3863

Sweetspot

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



37.6998, 0.2493, 0.3018



85.8272, 0.2926, 0.3218



42.8010, 0.2958, 0.4372



18.0867, 0.2893, 0.3205



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.6998, 0.2493, 0.3018



62.8836, 0.2377, 0.2946



23.9564, 0.2379, 0.2348



11.0549, 0.2984, 0.3240



17.6502, 0.2056, 0.2602



0.8554, 0.2104, 0.2773

Inverse Universe

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



25.1618, 0.3380, 0.2424



38.4010, 0.3455, 0.2250



40.2364, 0.3909, 0.4074



10.2098, 0.3169, 0.3110



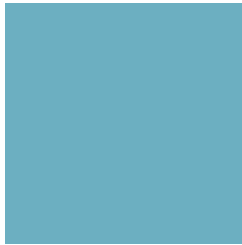
9.0640, 0.3822, 0.1879



0.4010, 0.3660, 0.1790

Previews

White Background



This preview shows how the Yxy color 37.6983, 0.2493, 0.3018 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 37.6983, 0.2493, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

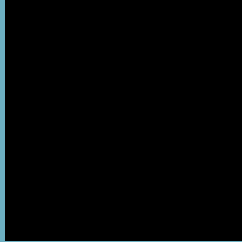
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.6983, 0.2493, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 37.6983, 0.2493, 0.3018.



This preview shows how white text looks on a background with the Yxy color 37.6983, 0.2493, 0.3018.

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

37.6983, 0.2493, 0.3018

Protanopia

37.2742, 0.2924, 0.2982

Deuteranopia

37.4746, 0.2871, 0.2815



Tritanopia

37.8942, 0.2507, 0.3076

Trichromacy



Original Color

37.6983, 0.2493, 0.3018

Protanomaly

37.0191, 0.2746, 0.2985

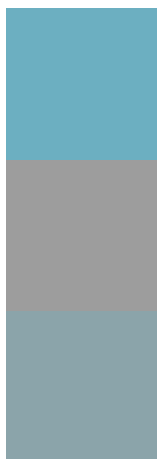
Deuteranomaly

37.1419, 0.2710, 0.2877

Tritanomaly

37.9381, 0.2501, 0.3062

Monochromacy



Original Color

37.6983, 0.2493, 0.3018

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.9422, 0.2854, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6983, 0.2493, 0.3018 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(108, 175, 193)` looks like.

```
.text, #text, p{  
    color:rgb(108, 175, 193)  
}
```

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(108, 175, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 175, 193) }
```

Border

The CSS property to change the border of an element to Yxy 37.6983, 0.2493, 0.3018 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(108, 175, 193) }
```

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

```
.border{ border-color:rgb(108, 175, 193) }
```

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

Here you see how a box with a 4 pixel rgb(108, 175, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 175, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 175, 193);  
box-shadow:4px 4px 4px 4px rgb(108, 175,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6983, 0.2493, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 175, 193) }
```

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

```
.background{ background-color: rgb(108,  
175, 193) }
```

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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