

Converting Colors

$Y_{xy}(37.3782, 0.2508, 0.3149)$

Have a look what the booklet for
Yxy(37.3782, 0.2508, 0.3149)
contains.

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Color

Yxy(37.3782, 0.2508, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	66B0B9
RGB	102, 176, 185
RGB Percent	40%, 69%, 73%
CMY	0.5997, 0.3098, 0.2745
CMYK	0.45, 0.05, 0.00, 0.27
HSL	187°, 37%, 56%
HSV	187°, 45%, 73%
XYZ	29.7696, 37.3782, 51.5508
YIQ	154.9000, -46.9930, -12.8890

Conversions

Conversions Part 2

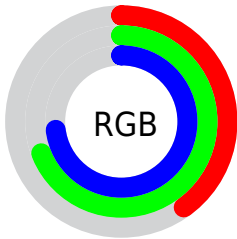
Format	Color
RYB	102, 141, 185
Decimal	6729913
CIELab	67.56, -20.61, -11.81
CIElCh	68, 23.757, 209.812
Yxy	37.3782, 0.2508, 0.3149
Android (android.graphics.Color)	4284919993 (0xFF66B0B9)
YUV	154.9000, 14.8393, -46.3933
Hunter-Lab	61.1377, -20.0745, -7.1964

Details

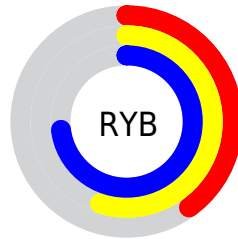
The Yxy color **37.3782, 0.2508, 0.3149** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.6694, 0.4242, 0.3421**, and the grayscale version is **32.6899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3332, 0.2626, 0.3184**, and **16.3897, 0.2324, 0.3089** is the 20% darker color. If you saturate the color by 10%, you get **35.6320, 0.2403, 0.3113**, and if you desaturate by 10%, it is **39.3803, 0.2628, 0.3184**.

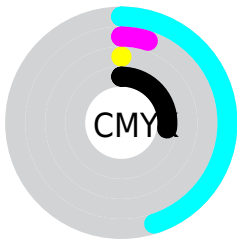
Distribution



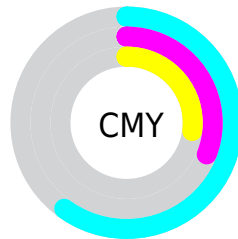
- Red (40%)
- Green (69%)
- Blue (73%)



- Red (40%)
- Yellow (55%)
- Blue (73%)



- Cyan (45%)
- Magenta (5%)
- Yellow (0%)
- Black (27%)




- Cyan (60%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3782, 0.2508, 0.3149 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 37.3782, 0.2508, 0.3149 by changing the saturation by 10% instead.

 37.3782, 0.2508,
0.3149


 37.3782, 0.2508,
0.3149


334.9450, 0.2822,
0.3229


 25.5005, 0.2428,
0.3126


 71.1541, 0.2623,
0.3180

 16.4503, 0.2326,
0.3094


 93.8210, 0.2666,
0.3191

 9.8434, 0.2189,
0.3049


 120.8531, 0.2702,
0.3201

 5.2952, 0.1997,
0.2978

 152.6348, 0.2733,
0.3208

 2.4215, 0.1712,
0.2857

189.5504, 0.2760,
0.3215

 0.8369, 0.0946,
0.2708

231.9844, 0.2783,

 0.0000, 0.0000,

0.3220

0.0000

280.3211, 0.2804,
0.3225

■ 37.3782, 0.2508,
0.3149

■ 37.3782, 0.2508,
0.3149

■ 35.6320, 0.2403,
0.3113

■ 39.3803, 0.2628,
0.3184

■ 34.1211, 0.2315,
0.3075

■ 41.6487, 0.2761,
0.3217

■ 32.8286, 0.2246,
0.3038


■ 44.1985, 0.2904,
0.3248


■ 31.7335, 0.2196,
0.3000

■ 47.0423, 0.3053,
0.3277

■ 30.8100, 0.2164,
0.2963

■ 50.1920, 0.3207,
0.3303

 30.3710, 0.2151,
0.2944

 53.6588, 0.3362,
0.3327

 57.4532, 0.3516,
0.3348

 61.5854, 0.3667,
0.3367

 63.3944, 0.3703,
0.3387

Harmonies

Analogous

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



37.3782, 0.2707, 0.3495



37.3782, 0.2508, 0.3149



37.3782, 0.2466, 0.2871

Triad

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



37.3782, 0.2508, 0.3149



37.3782, 0.3202, 0.2853



37.3782, 0.3679, 0.3868

Complementary

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



37.3782, 0.2508, 0.3149



22.6694, 0.4242, 0.3421

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.



37.3782, 0.3833, 0.3657



37.3782, 0.2508, 0.3149



37.3782, 0.3551, 0.3085

Square

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



37.3782, 0.2508, 0.3149



37.3782, 0.2850, 0.2722



37.3782, 0.3787, 0.3372



37.3782, 0.3379, 0.3929

Rectangle

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



37.3782, 0.2508, 0.3149



37.3782, 0.2530, 0.2757



37.3782, 0.3787, 0.3372



37.3782, 0.3750, 0.3811

Sweetspot

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



37.3796, 0.2508, 0.3149



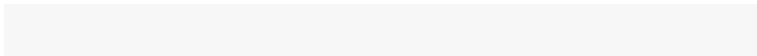
79.9309, 0.2928, 0.3253



38.6669, 0.3010, 0.4532



17.0016, 0.2895, 0.3247



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.



37.3796, 0.2508, 0.3149



63.7896, 0.2402, 0.3112



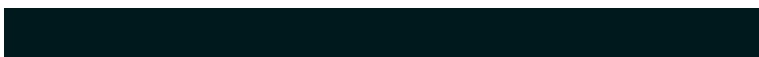
23.7327, 0.2391, 0.2473



10.0392, 0.2985, 0.3264



20.7420, 0.2153, 0.2949



0.7793, 0.2179, 0.3044

Inverse Universe

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



22.9696, 0.3282, 0.2312



35.1512, 0.3324, 0.2120



33.6820, 0.3973, 0.3980



9.1454, 0.3154, 0.3089



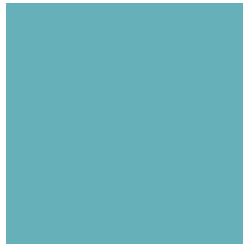
8.8763, 0.3500, 0.1702



0.3178, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 37.3782, 0.2508, 0.3149 looks on a white background.

Color Contrast Check

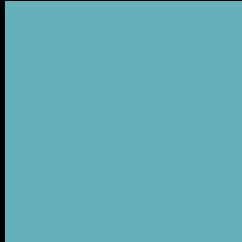
Large Text (above 18pt) WCAG AA × Fail

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 37.3782, 0.2508, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

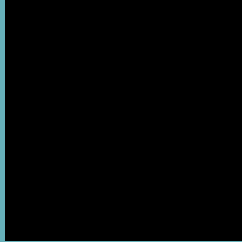
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3782, 0.2508, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 37.3782, 0.2508, 0.3149.

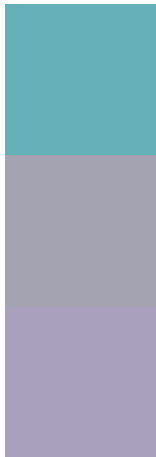


This preview shows how white text looks on a background with the Yxy color 37.3782, 0.2508, 0.3149.

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

37.3782, 0.2508, 0.3149

Protanopia

37.1552, 0.3008, 0.3092

Deuteranopia

37.1406, 0.2953, 0.2893



Tritanopia

37.2176, 0.2487, 0.3074

Trichromacy



Original Color

37.3782, 0.2508, 0.3149

Protanomaly

36.9633, 0.2798, 0.3113

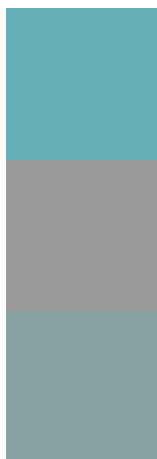
Deuteranomaly

36.8326, 0.2761, 0.2972

Tritanomaly

37.1743, 0.2493, 0.3089

Monochromacy



Original Color

37.3782, 0.2508, 0.3149

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.1818, 0.2859, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3782, 0.2508, 0.3149 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(102, 176, 185)` looks like.

```
.text, #text, p{  
    color:rgb(102, 176, 185)  
}
```

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(102, 176, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 176, 185) }
```

Border

The CSS property to change the border of an element to Yxy 37.3782, 0.2508, 0.3149 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(102, 176, 185) }
```

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

```
.border{ border-color:rgb(102, 176, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 176, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 176, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 176, 185);  
box-shadow:4px 4px 4px 4px rgb(102, 176,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3782, 0.2508, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 176, 185) }
```

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

```
.background{ background-color: rgb(102,  
176, 185) }
```

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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