

Converting Colors

$Y_{xy}(34.3090, 0.2500, 0.3058)$

Have a look what the booklet for
Yxy(34.3090, 0.2500, 0.3058)
contains.

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Color

Yxy(34.2489, 0.2498, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	66A8B7
RGB	102, 168, 183
RGB Percent	40%, 66%, 72%
CMY	0.5999, 0.3412, 0.2823
CMYK	0.44, 0.08, 0.00, 0.28
HSL	191°, 36%, 56%
HSV	191°, 44%, 72%
XYZ	28.0320, 34.2489, 49.9370
YIQ	149.9760, -44.1510, -9.3270

Conversions

Conversions Part 2

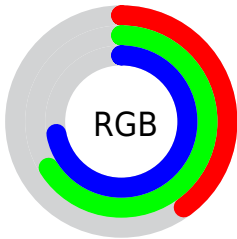
Format	Color
RYB	102, 138, 183
Decimal	6727863
CIELab	65.16, -17.01, -14.30
CIElCh	65, 22.223, 220.068
Yxy	34.2489, 0.2498, 0.3052
Android (android.graphics.Color)	4284917943 (0xFF66A8B7)
YUV	149.9760, 16.2808, -42.0750
Hunter-Lab	58.5226, -16.9138, -9.6260

Details

The Yxy color **34.2489, 0.2498, 0.3052** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.7598, 0.4178, 0.3508**, and the grayscale version is **30.4355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1754, 0.2617, 0.3099**, and **14.6833, 0.2306, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **32.0598, 0.2383, 0.2989**, and if you desaturate by 10%, it is **36.7094, 0.2626, 0.3112**.

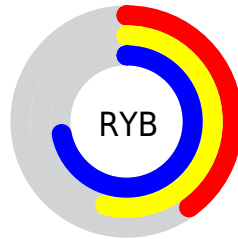
Distribution



Red (40%)

Green (66%)

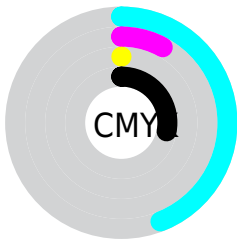
Blue (72%)



Red (40%)

Yellow (54%)

Blue (72%)

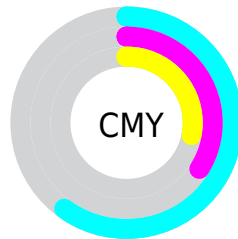


Cyan (44%)

Magenta (8%)

Yellow (0%)

Black (28%)



Cyan (60%)


Magenta (34%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2489, 0.2498, 0.3052 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 34.2489, 0.2498, 0.3052 by changing the saturation by 10% instead.


 34.2489, 0.2498,
0.3052


 34.2489, 0.2498,
0.3052


321.2405, 0.2821,
0.3183


 23.0849, 0.2415,
0.3015


 66.3205, 0.2617,
0.3103


 14.6562, 0.2307,
0.2965


 87.9969, 0.2662,
0.3121

 8.5785, 0.2162,
0.2893


 113.9463, 0.2699,
0.3136

 4.4673, 0.1956,
0.2784

 144.5529, 0.2731,
0.3149

 1.9382, 0.1647,
0.2601

180.2013, 0.2758,
0.3159

 0.5712, 0.0515,
0.2302

221.2757, 0.2782,

 0.0000, 0.0000,

0.3168

0.0000

268.1606, 0.2803,
0.3176

■ 34.2489, 0.2498,
0.3052

■ 34.2489, 0.2498,
0.3052

■ 32.0598, 0.2383,
0.2989

■ 36.7094, 0.2626,
0.3112

■ 30.1221, 0.2284,
0.2923

■ 39.4517, 0.2765,
0.3169

■ 28.4194, 0.2204,
0.2857


■ 42.4907, 0.2912,
0.3222


■ 26.9311, 0.2142,
0.2790

■ 45.8388, 0.3062,
0.3271

■ 25.6323, 0.2099,
0.2724

■ 49.5076, 0.3215,
0.3315

 24.9414, 0.2080,
0.2686

 53.5083, 0.3367,
0.3354

 57.8512, 0.3516,
0.3390

 62.5464, 0.3662,
0.3421

 65.3092, 0.3707,
0.3453

Harmonies

Analogous

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



34.2489, 0.2641, 0.3373



34.2489, 0.2498, 0.3052



34.2489, 0.2512, 0.2822

Triad

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



34.2489, 0.2498, 0.3052



34.2489, 0.3320, 0.2936



34.2489, 0.3572, 0.3887

Complementary

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



34.2489, 0.2498, 0.3052



23.7598, 0.4178, 0.3508

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.



34.2489, 0.3776, 0.3726



34.2489, 0.2498, 0.3052



34.2489, 0.3630, 0.3184

Square

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



34.2489, 0.2498, 0.3052



34.2489, 0.2971, 0.2772



34.2489, 0.3800, 0.3468



34.2489, 0.3254, 0.3881

Rectangle

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



34.2489, 0.2498, 0.3052



34.2489, 0.2608, 0.2743



34.2489, 0.3800, 0.3468



34.2489, 0.3657, 0.3849

Sweetspot

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



34.2502, 0.2498, 0.3052



76.6869, 0.2927, 0.3227



37.9783, 0.2966, 0.4397



16.6594, 0.2894, 0.3216



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.



34.2502, 0.2498, 0.3052



57.5511, 0.2387, 0.2991



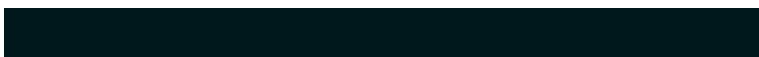
21.5986, 0.2382, 0.2370



9.9199, 0.2985, 0.3247



17.4910, 0.2082, 0.2694



0.6910, 0.2129, 0.2864

Inverse Universe

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



22.4037, 0.3354, 0.2397



34.3475, 0.3418, 0.2223



35.2657, 0.3918, 0.4058



9.1334, 0.3165, 0.3106



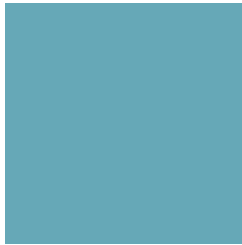
8.5481, 0.3734, 0.1831



0.3088, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 34.2489, 0.2498, 0.3052 looks on a white background.

Color Contrast Check

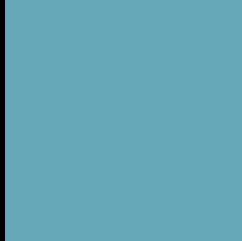
Large Text (above 18pt) WCAG AA × Fail

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 34.2489, 0.2498, 0.3052 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 34.2489, 0.2498, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 34.2489, 0.2498, 0.3052.



This preview shows how white text looks on a background with the Yxy color 34.2489, 0.2498, 0.3052.

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

34.2489, 0.2498, 0.3052

Protanopia

33.8406, 0.2951, 0.3013

Deuteranopia

34.0273, 0.2895, 0.2837



Tritanopia

34.2074, 0.2504, 0.3067

Trichromacy



Original Color

34.2489, 0.2498, 0.3052

Protanomaly

33.5902, 0.2763, 0.3017

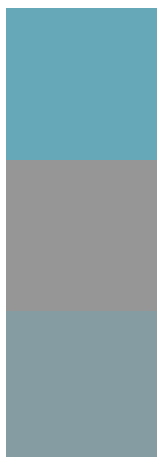
Deuteranomaly

33.7023, 0.2725, 0.2903

Tritanomaly

34.2074, 0.2504, 0.3067

Monochromacy



Original Color

34.2489, 0.2498, 0.3052

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.7091, 0.2860, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2489, 0.2498, 0.3052 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, 168, 183)` looks like.

```
.text, #text, p{  
    color:rgb(102, 168, 183)  
}
```

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, 168, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 168, 183) }
```

Border

The CSS property to change the border of an element to Yxy 34.2489, 0.2498, 0.3052 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, 168, 183) }
```

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

```
.border{ border-color:rgb(102, 168, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 168, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 168, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 168, 183);  
box-shadow:4px 4px 4px 4px rgb(102, 168,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2489, 0.2498, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 168, 183) }
```

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

```
.background{ background-color: rgb(102,  
168, 183) }
```

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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