

Converting Colors

$Y_{xy}(32.5480, 0.2310, 0.3040)$

Have a look what the booklet for
Yxy(32.5480, 0.2310, 0.3040)
contains.

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Color

Yxy(32.5480, 0.2310, 0.3040)

Conversions

Conversions Part 1

Format	Color
Hex	41A8B7
RGB	65, 168, 183
RGB Percent	25%, 66%, 72%
CMY	0.7450, 0.3412, 0.2823
CMYK	0.64, 0.08, 0.00, 0.28
HSL	188°, 48%, 49%
HSV	188°, 64%, 72%
XYZ	24.7322, 32.5480, 49.7856
YIQ	138.9130, -66.2030, -17.1710

Conversions

Conversions Part 2

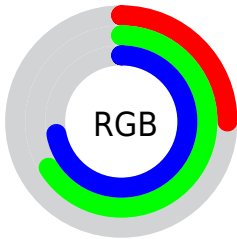
Format	Color
RYB	65, 120, 183
Decimal	4303031
CIELab	63.79, -24.73, -16.50
CIELCh	64, 29.728, 213.724
Yxy	32.5480, 0.2310, 0.3040
Android (android.graphics.Color)	4282493111 (0xFF41A8B7)
YUV	138.9130, 21.7349, -64.8217
Hunter-Lab	57.0509, -22.4572, -11.8040




Details

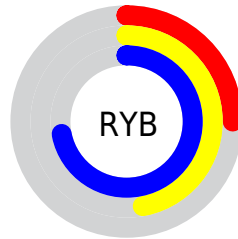
The Yxy color **32.5480, 0.2310, 0.3040** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.1953, 0.5028, 0.3486**, and the grayscale version is **25.7214, 0.3127, 0.3290**.




A 20% lighter version of the original color is **63.4430, 0.2464, 0.3091**, and **14.1025, 0.2155, 0.2958** is the 20% darker color. If you saturate the color by 10%, you get **31.1699, 0.2238, 0.2996**, and if you desaturate by 10%, it is **34.1463, 0.2401, 0.3084**.

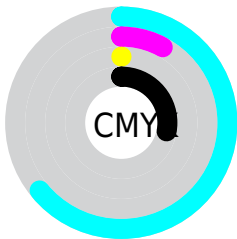
Distribution







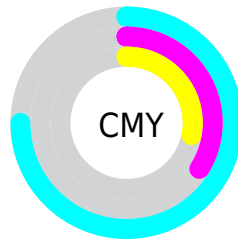
-  Red (25%)
-  Green (66%)
-  Blue (72%)






-  Red (25%)
-  Yellow (47%)
-  Blue (72%)



-  Cyan (64%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (28%)





-  Cyan (75%)
-  Magenta (34%)
-  Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5480, 0.2310, 0.3040 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 32.5480, 0.2310, 0.3040 by changing the saturation by 10% instead.


 32.5480, 0.2310,
0.3040


 32.5480, 0.2310,
0.3040


313.6081, 0.2730,
0.3184


 21.7804, 0.2203,
0.2998


 63.6692, 0.2465,
0.3097


 13.6956, 0.2064,
0.2939


 84.7916, 0.2522,
0.3117

 7.9093, 0.1879,
0.2854


 110.1344, 0.2570,
0.3133

 4.0370, 0.1621,
0.2721

 140.0820, 0.2612,
0.3147

 1.6943, 0.1247,
0.2492

 175.0187, 0.2647,
0.3158

 0.4199, 0.0000,
0.1921

215.3291, 0.2678,

 0.0000, 0.0000,

0.3168

0.0000

261.3974, 0.2705,
0.3176

■ 32.5480, 0.2310,
0.3040

■ 32.5480, 0.2310,
0.3040

■ 31.1699, 0.2238,
0.2996

■ 34.1463, 0.2401,
0.3084

■ 29.9879, 0.2185,
0.2951

■ 35.9788, 0.2508,
0.3127

■ 28.9785, 0.2149,
0.2907

■ 38.0626, 0.2631,
0.3168

■ 28.4649, 0.2134,
0.2883

■ 40.4121, 0.2765,
0.3206

■ 43.0405, 0.2909,
0.3243

■ 45.9602, 0.3059,
0.3276

■ 49.1826, 0.3212,
0.3306

■ 52.7187, 0.3366,
0.3334

■ 56.5788, 0.3519,
0.3358

Harmonies

Analogous

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



32.5480, 0.2535, 0.3496



32.5480, 0.2310, 0.3040



32.5480, 0.2286, 0.2704

Triad

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



32.5480, 0.2310, 0.3040



32.5480, 0.3284, 0.2762



32.5480, 0.3799, 0.4065

Complementary

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



32.5480, 0.2310, 0.3040



16.1953, 0.5028, 0.3486

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.



32.5480, 0.4038, 0.3796



32.5480, 0.2310, 0.3040



32.5480, 0.3735, 0.3066

Square

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



32.5480, 0.2310, 0.3040



32.5480, 0.2818, 0.2576



32.5480, 0.4019, 0.3433



32.5480, 0.3387, 0.4130

Rectangle

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



32.5480, 0.2310, 0.3040



32.5480, 0.2384, 0.2580



32.5480, 0.4019, 0.3433



32.5480, 0.3903, 0.3992

Sweetspot

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



32.5492, 0.2310, 0.3040



74.7263, 0.2838, 0.3225



35.5592, 0.2965, 0.5137



16.2122, 0.2798, 0.3215



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.



32.5492, 0.2310, 0.3040



54.9704, 0.2215, 0.2979



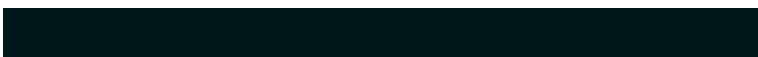
15.7522, 0.2066, 0.1992



10.0103, 0.2985, 0.3260



19.9241, 0.2136, 0.2888



0.7573, 0.2167, 0.3001

Inverse Universe

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



16.6804, 0.3394, 0.1987



25.5701, 0.3461, 0.1827



28.5671, 0.4405, 0.4259



9.1425, 0.3156, 0.3093



8.7937, 0.3554, 0.1731



0.3155, 0.3453, 0.1676

Previews

White Background



This preview shows how the Yxy color 32.5480, 0.2310, 0.3040 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 32.5480, 0.2310, 0.3040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

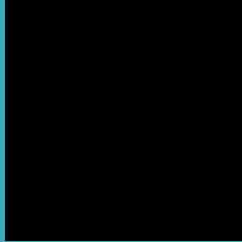
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5480, 0.2310, 0.3040

Background



This preview shows how black text looks on a background with the Yxy color 32.5480, 0.2310, 0.3040.



This preview shows how white text looks on a background with the Yxy color 32.5480, 0.2310, 0.3040.

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

32.5480, 0.2310, 0.3040

Protanopia

32.0529, 0.2929, 0.2978

Deuteranopia

32.0759, 0.2821, 0.2756



Tritanopia

32.4727, 0.2311, 0.3056

Trichromacy



Original Color

32.5480, 0.2310, 0.3040

Protanomaly

31.6211, 0.2639, 0.2990

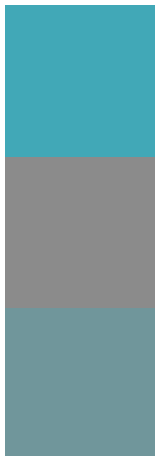
Deuteranomaly

31.6522, 0.2574, 0.2842

Tritanomaly

32.4727, 0.2311, 0.3056

Monochromacy



Original Color

32.5480, 0.2310, 0.3040

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.6240, 0.2726, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5480, 0.2310, 0.3040 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(65, 168, 183)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 168, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 168, 183) }
```

Border

The CSS property to change the border of an element to Yxy 32.5480, 0.2310, 0.3040 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(65, 168, 183) }
```

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

```
.border{ border-color:rgb(65, 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(65, 168, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 168, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 168, 183);  
box-shadow:4px 4px 4px 4px rgb(65, 168,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5480, 0.2310, 0.3040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 168, 183) }
```

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

```
.background{ background-color: rgb(65, 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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