

Converting Colors

$Yxy(30.3957, 0.2473, 0.3223)$

Have a look what the booklet for
Yxy(30.3957, 0.2473, 0.3223)
contains.

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Color

Yxy(30.4328, 0.2472, 0.3220)

Conversions

Conversions Part 1

Format	Color
Hex	53A2A6
RGB	83, 162, 166
RGB Percent	33%, 64%, 65%
CMY	0.6749, 0.3646, 0.3490
CMYK	0.50, 0.02, 0.00, 0.35
HSL	183°, 33%, 49%
HSV	183°, 50%, 65%
XYZ	23.3633, 30.4328, 40.7157
YIQ	138.8350, -48.3680, -15.5040

Conversions

Conversions Part 2

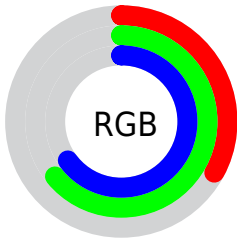
Format	Color
RYB	83, 123, 166
Decimal	5481126
CIELab	62.03, -23.11, -9.56
CIElCh	62, 25.009, 202.478
Yxy	30.4328, 0.2472, 0.3220
Android (android.graphics.Color)	4283671206 (0xFF53A2A6)
YUV	138.8350, 13.3923, -48.9673
Hunter-Lab	55.1659, -20.9439, -5.1433

Details

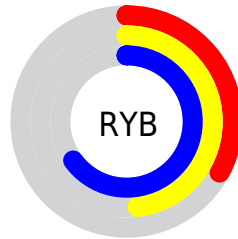
The Yxy color **30.4328, 0.2472, 0.3220** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5262, 0.4469, 0.3355**, and the grayscale version is **25.7049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3351, 0.2603, 0.3238**, and **12.5052, 0.2263, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **29.4891, 0.2383, 0.3204**, and if you desaturate by 10%, it is **31.5613, 0.2578, 0.3235**.

Distribution



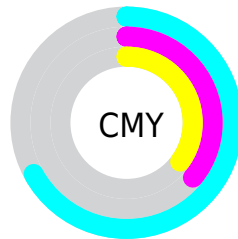
- Red (33%)
- Green (64%)
- Blue (65%)



- Red (33%)
- Yellow (48%)
- Blue (65%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (35%)





- Cyan (67%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4328, 0.2472, 0.3220 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 30.4328, 0.2472, 0.3220 by changing the saturation by 10% instead.


 30.4328, 0.2472,
0.3220


 30.4328, 0.2472,
0.3220


303.9167, 0.2816,
0.3265


 20.1673, 0.2381,
0.3205


 60.3460, 0.2601,
0.3239


 12.5167, 0.2261,
0.3182


 80.7624, 0.2648,
0.3246

 7.0966, 0.2097,
0.3147

 105.3314, 0.2687,
0.3251

 3.5226, 0.1859,
0.3086

 134.4371, 0.2721,
0.3255

 1.4103, 0.1476,
0.2968

168.4642, 0.2750,
0.3258

 0.2243, 0.0000,
0.1973

207.7968, 0.2775,

 0.0000, 0.0000,

0.3261

0.0000

252.8195, 0.2796,
0.3263

■ 30.4328, 0.2472,
0.3220

■ 30.4328, 0.2472,
0.3220

■ 29.4891, 0.2383,
0.3204

■ 31.5613, 0.2578,
0.3235

■ 28.7136, 0.2313,
0.3188

■ 32.8828, 0.2699,
0.3250

■ 28.0925, 0.2261,
0.3172

■ 34.4095, 0.2832,
0.3264

■ 27.6083, 0.2227,
0.3157

■ 36.1513, 0.2976,
0.3278

■ 27.2231, 0.2206,
0.3141

■ 38.1176, 0.3126,
0.3290

■ 40.3171, 0.3281,
0.3301

■ 42.7583, 0.3437,
0.3311

■ 45.4490, 0.3593,
0.3320

■ 48.3967, 0.3746,
0.3328

Harmonies

Analogous

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



30.4328, 0.2730, 0.3614



30.4328, 0.2472, 0.3220



30.4328, 0.2382, 0.2880

Triad

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



30.4328, 0.2472, 0.3220



30.4328, 0.3109, 0.2754



30.4328, 0.3808, 0.3892

Complementary

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



30.4328, 0.2472, 0.3220



15.5262, 0.4469, 0.3355

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.



30.4328, 0.3933, 0.3623



30.4328, 0.2472, 0.3220



30.4328, 0.3515, 0.2988

Square

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



30.4328, 0.2472, 0.3220



30.4328, 0.2731, 0.2642



30.4328, 0.3825, 0.3297



30.4328, 0.3500, 0.4016

Rectangle

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



30.4328, 0.2472, 0.3220



30.4328, 0.2423, 0.2729



30.4328, 0.3825, 0.3297



30.4328, 0.3874, 0.3814

Sweetspot

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



30.4340, 0.2472, 0.3220



63.9161, 0.2900, 0.3271



29.7714, 0.3036, 0.4793



14.1620, 0.2871, 0.3268



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.4340, 0.2472, 0.3220



53.3614, 0.2375, 0.3203



18.4276, 0.2330, 0.2473



8.4696, 0.2987, 0.3279



21.1318, 0.2206, 0.3143



0.5322, 0.2221, 0.3194

Inverse Universe

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



16.8870, 0.3234, 0.2156



26.1607, 0.3259, 0.1954



23.9644, 0.4126, 0.3971



7.6603, 0.3145, 0.3078



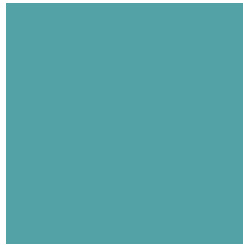
8.2043, 0.3330, 0.1608



0.2014, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 30.4328, 0.2472, 0.3220 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 30.4328, 0.2472, 0.3220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

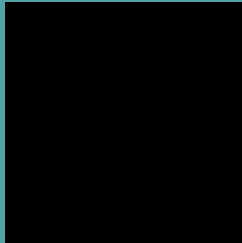
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4328, 0.2472, 0.3220

Background



This preview shows how black text looks on a background with the Yxy color 30.4328, 0.2472, 0.3220.

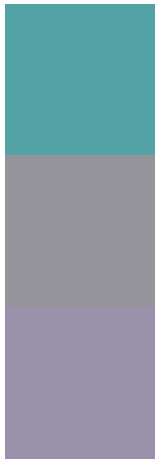


This preview shows how white text looks on a background with the Yxy color 30.4328, 0.2472, 0.3220.

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

30.4328, 0.2472, 0.3220

Protanopia

30.0037, 0.3053, 0.3151

Deuteranopia

30.0231, 0.2983, 0.2917



Tritanopia

30.5242, 0.2437, 0.3071

Trichromacy



Original Color

30.4328, 0.2472, 0.3220

Protanomaly

29.6805, 0.2802, 0.3175

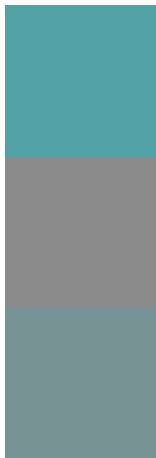
Deuteranomaly

29.5870, 0.2753, 0.3003

Tritanomaly

30.3613, 0.2449, 0.3119

Monochromacy



Original Color

30.4328, 0.2472, 0.3220

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.9593, 0.2833, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4328, 0.2472, 0.3220 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(83, 162, 166)` looks like.

```
.text, #text, p{  
    color:rgb(83, 162, 166)  
}
```

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(83, 162, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 162, 166) }
```

Border

The CSS property to change the border of an element to Yxy 30.4328, 0.2472, 0.3220 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(83, 162, 166) }
```

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

```
.border{ border-color:rgb(83, 162, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 162, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 162, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 162, 166);  
box-shadow:4px 4px 4px 4px rgb(83, 162,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4328, 0.2472, 0.3220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 162, 166) }
```

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

```
.background{ background-color: rgb(83, 162,  
166) }
```

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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