

Converting Colors

$Y_{xy}(32.5781, 0.2506, 0.3189)$

Have a look what the booklet for
Yxy(32.5781, 0.2506, 0.3189)
contains.

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Color

Yxy(32.5781, 0.2506, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	5DA6AC
RGB	93, 166, 172
RGB Percent	36%, 65%, 67%
CMY	0.6352, 0.3490, 0.3254
CMYK	0.46, 0.04, 0.00, 0.33
HSL	185°, 32%, 52%
HSV	185°, 46%, 67%
XYZ	25.6007, 32.5781, 43.9789
YIQ	144.8570, -45.4340, -13.6100

Conversions

Conversions Part 2

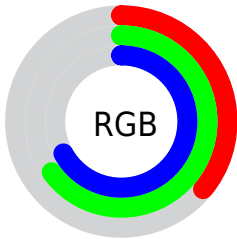
Format	Color
R_{YB}	93, 131, 172
Decimal	6137516
CIE _{Lab}	63.82, -21.14, -10.22
CIE _{LCh}	64, 23.480, 205.810
Yxy	32.5781, 0.2506, 0.3189
Android (android.graphics.Color)	4284327596 (0xFF5DA6AC)
YUV	144.8570, 13.3815, -45.4786
Hunter-Lab	57.0772, -19.8229, -5.7298

Details

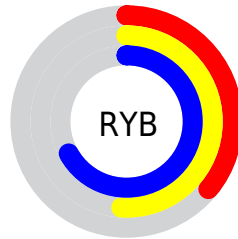
The Yxy color **32.5781, 0.2506, 0.3189** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.4992, 0.4292, 0.3384**, and the grayscale version is **28.2169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5549, 0.2627, 0.3215**, and **13.7480, 0.2309, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **31.3054, 0.2407, 0.3164**, and if you desaturate by 10%, it is **34.0602, 0.2621, 0.3213**.

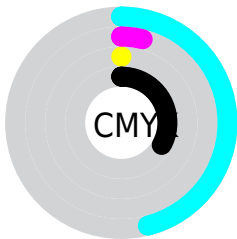
Distribution



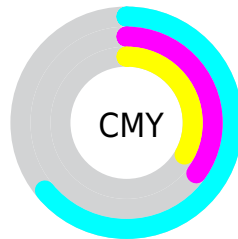
- Red (36%)
- Green (65%)
- Blue (67%)



- Red (36%)
- Yellow (51%)
- Blue (67%)



- Cyan (46%)
- Magenta (4%)
- Yellow (0%)
- Black (33%)





- Cyan (64%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5781, 0.2506, 0.3189 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 32.5781, 0.2506, 0.3189 by changing the saturation by 10% instead.


 32.5781, 0.2506,
0.3189


 32.5781, 0.2506,
0.3189


313.7443, 0.2829,
0.3250

 21.8034, 0.2422,
0.3170


 63.7163, 0.2626,
0.3214


 13.7125, 0.2312,
0.3144

 84.8486, 0.2670,
0.3222

 7.9210, 0.2162,
0.3103


 110.2022, 0.2707,
0.3229

 4.0444, 0.1946,
0.3038

 140.1616, 0.2739,
0.3234

 1.6985, 0.1616,
0.2915

175.1111, 0.2766,
0.3239

 0.4227, 0.0000,
0.2620

215.4351, 0.2790,

 0.0000, 0.0000,

0.3243

0.0000

261.5181, 0.2810,
0.3247

■ 32.5781, 0.2506,
0.3189

■ 32.5781, 0.2506,
0.3189

■ 31.3054, 0.2407,
0.3164

■ 34.0602, 0.2621,
0.3213

■ 30.2244, 0.2325,
0.3138

■ 35.7602, 0.2750,
0.3237

■ 29.3212, 0.2262,
0.3112

■ 37.6909, 0.2890,
0.3258

■ 28.5777, 0.2218,
0.3087

■ 39.8629, 0.3037,
0.3279

■ 27.9707, 0.2190,
0.3061

■ 42.2862, 0.3190,
0.3297

■ 27.7409, 0.2181,
0.3051

■ 44.9702, 0.3345,
0.3314

■ 47.9237, 0.3500,
0.3329

■ 51.1553, 0.3654,
0.3343

■ 54.6731, 0.3803,
0.3354

Harmonies

Analogous

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



32.5781, 0.2730, 0.3549



32.5781, 0.2506, 0.3189



32.5781, 0.2441, 0.2887

Triad

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



32.5781, 0.2506, 0.3189



32.5781, 0.3154, 0.2814



32.5781, 0.3729, 0.3866

Complementary

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



32.5781, 0.2506, 0.3189



18.4992, 0.4292, 0.3384

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.



32.5781, 0.3864, 0.3631



32.5781, 0.2506, 0.3189



32.5781, 0.3522, 0.3041

Square

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



32.5781, 0.2506, 0.3189



32.5781, 0.2798, 0.2696



32.5781, 0.3788, 0.3333



32.5781, 0.3434, 0.3955

Rectangle

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



32.5781, 0.2506, 0.3189



32.5781, 0.2491, 0.2757



32.5781, 0.3788, 0.3333



32.5781, 0.3796, 0.3799

Sweetspot

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



32.5794, 0.2506, 0.3189



68.9833, 0.2914, 0.3262



32.7298, 0.3026, 0.4607



14.8213, 0.2884, 0.3258



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.5794, 0.2506, 0.3189



56.7623, 0.2406, 0.3164



20.5550, 0.2385, 0.2503



8.9659, 0.2986, 0.3272



20.6739, 0.2182, 0.3054



0.6053, 0.2203, 0.3130

Inverse Universe

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



19.3610, 0.3253, 0.2264



30.1203, 0.3284, 0.2070



27.6819, 0.4010, 0.3957



8.1374, 0.3149, 0.3083



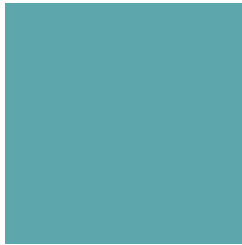
8.3901, 0.3407, 0.1651



0.2365, 0.3341, 0.1614

Previews

White Background



This preview shows how the Yxy color 32.5781, 0.2506, 0.3189 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 32.5781, 0.2506, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

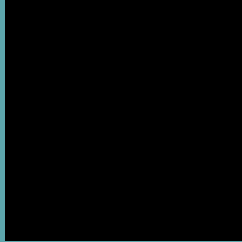
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5781, 0.2506, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 32.5781, 0.2506, 0.3189.

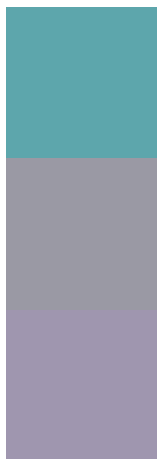


This preview shows how white text looks on a background with the Yxy color 32.5781, 0.2506, 0.3189.

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

32.5781, 0.2506, 0.3189

Protanopia

32.3328, 0.3037, 0.3125

Deuteranopia

32.2788, 0.2987, 0.2927



Tritanopia

32.5575, 0.2478, 0.3078

Trichromacy



Original Color

32.5781, 0.2506, 0.3189

Protanomaly

32.1493, 0.2812, 0.3148

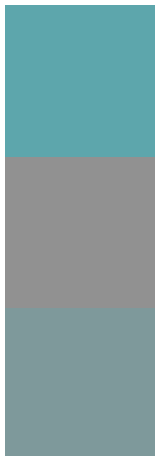
Deuteranomaly

31.9838, 0.2781, 0.3013

Tritanomaly

32.4245, 0.2484, 0.3109

Monochromacy



Original Color

32.5781, 0.2506, 0.3189

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.5846, 0.2852, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5781, 0.2506, 0.3189 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(93, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(93, 166, 172)  
}
```

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(93, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 166, 172) }
```

Border

The CSS property to change the border of an element to Yxy 32.5781, 0.2506, 0.3189 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(93, 166, 172) }
```

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

```
.border{ border-color:rgb(93, 166, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 166, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(93, 166,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5781, 0.2506, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 166, 172) }
```

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

```
.background{ background-color: rgb(93, 166,  
172) }
```

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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