

Converting Colors

$Yxy(30.7585, 0.2454, 0.3056)$

Have a look what the booklet for
Yxy(30.7585, 0.2454, 0.3056)
contains.

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Color

Yxy(30.7585, 0.2454, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	5AA1AF
RGB	90, 161, 175
RGB Percent	35%, 63%, 69%
CMY	0.6470, 0.3686, 0.3137
CMYK	0.49, 0.08, 0.00, 0.31
HSL	190°, 35%, 52%
HSV	190°, 49%, 69%
XYZ	24.6994, 30.7585, 45.1916
YIQ	141.3670, -46.8100, -10.6980

Conversions

Conversions Part 2

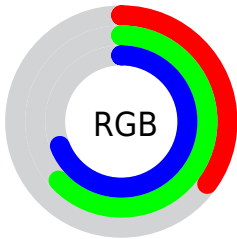
Format	Color
RYB	90, 129, 175
Decimal	5939631
CIELab	62.30, -18.44, -14.18
CIElCh	62, 23.265, 217.555
Yxy	30.7585, 0.2454, 0.3056
Android (android.graphics.Color)	4284129711 (0xFF5AA1AF)
YUV	141.3670, 16.5811, -45.0489
Hunter-Lab	55.4603, -17.5602, -9.4900

Details

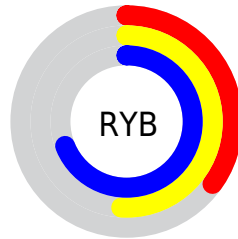
The Yxy color **30.7585, 0.2454, 0.3056** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.7541, 0.4338, 0.3501**, and the grayscale version is **26.7362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9010, 0.2581, 0.3103**, and **12.6586, 0.2238, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **28.9871, 0.2349, 0.3000**, and if you desaturate by 10%, it is **32.7620, 0.2574, 0.3110**.

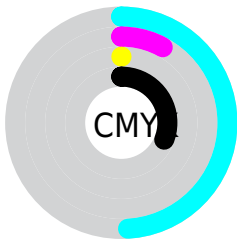
Distribution



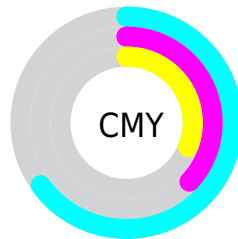
- Red (35%)
- Green (63%)
- Blue (69%)



- Red (35%)
- Yellow (51%)
- Blue (69%)



- Cyan (49%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)





- Cyan (65%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7585, 0.2454, 0.3056 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 30.7585, 0.2454, 0.3056 by changing the saturation by 10% instead.


 30.7585, 0.2454,
0.3056


 30.7585, 0.2454,
0.3056


305.4242, 0.2805,
0.3189

 20.4150, 0.2362,
0.3017


 60.8597, 0.2585,
0.3108


 12.6971, 0.2241,
0.2964


 81.3861, 0.2633,
0.3127

 7.2203, 0.2077,
0.2886


 106.0757, 0.2674,
0.3142

 3.6002, 0.1841,
0.2764

 135.3128, 0.2708,
0.3154

 1.4526, 0.1482,
0.2550

169.4818, 0.2737,
0.3165

 0.2550, 0.0000,
0.1637

208.9671, 0.2763,

 0.0000, 0.0000,

0.3174

0.0000

254.1531, 0.2785,
0.3182

■ 30.7585, 0.2454,
0.3056

■ 30.7585, 0.2454,
0.3056

■ 28.9871, 0.2349,
0.3000

■ 32.7620, 0.2574,
0.3110

■ 27.4295, 0.2260,
0.2942

■ 35.0076, 0.2707,
0.3162

■ 26.0700, 0.2190,
0.2883


■ 37.5088, 0.2849,
0.3210


■ 24.8890, 0.2139,
0.2825

■ 40.2770, 0.2997,
0.3255

■ 23.8519, 0.2104,
0.2767

■ 43.3228, 0.3149,
0.3296

 23.7079, 0.2100,
0.2759

 46.6565, 0.3302,
0.3332

 50.2875, 0.3453,
0.3365

 54.2249, 0.3601,
0.3395

 58.4774, 0.3745,
0.3420

Harmonies

Analogous

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



30.7585, 0.2620, 0.3409



30.7585, 0.2454, 0.3056



30.7585, 0.2455, 0.2798

Triad

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



30.7585, 0.2454, 0.3056



30.7585, 0.3304, 0.2888



30.7585, 0.3633, 0.3928

Complementary

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



30.7585, 0.2454, 0.3056



19.7541, 0.4338, 0.3501

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.



30.7585, 0.3842, 0.3739



30.7585, 0.2454, 0.3056



30.7585, 0.3650, 0.3149

Square

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



30.7585, 0.2454, 0.3056



30.7585, 0.2927, 0.2722



30.7585, 0.3851, 0.3454



30.7585, 0.3295, 0.3943

Rectangle

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



30.7585, 0.2454, 0.3056



30.7585, 0.2549, 0.2706



30.7585, 0.3851, 0.3454



30.7585, 0.3722, 0.3881

Sweetspot

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



30.7597, 0.2454, 0.3056



68.7631, 0.2898, 0.3225



33.8082, 0.2974, 0.4573



15.0618, 0.2867, 0.3216



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



30.7597, 0.2454, 0.3056



51.7859, 0.2344, 0.2997



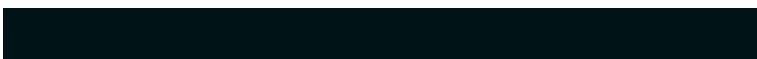
18.6435, 0.2317, 0.2317



8.8441, 0.2986, 0.3252



17.0545, 0.2102, 0.2766



0.5332, 0.2150, 0.2940

Inverse Universe

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



19.0010, 0.3358, 0.2298



28.9857, 0.3422, 0.2118



30.1803, 0.4023, 0.4089



8.1251, 0.3162, 0.3103



8.0247, 0.3667, 0.1794



0.2292, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 30.7585, 0.2454, 0.3056 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 30.7585, 0.2454, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

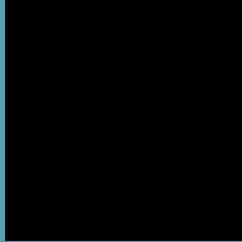
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7585, 0.2454, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 30.7585, 0.2454, 0.3056.



This preview shows how white text looks on a background with the Yxy color 30.7585, 0.2454, 0.3056.

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

30.7585, 0.2454, 0.3056

Protanopia

30.4880, 0.2943, 0.3015

Deuteranopia

30.3514, 0.2884, 0.2816



Tritanopia

30.7194, 0.2460, 0.3072

Trichromacy



Original Color

30.7585, 0.2454, 0.3056

Protanomaly

30.1204, 0.2731, 0.3019

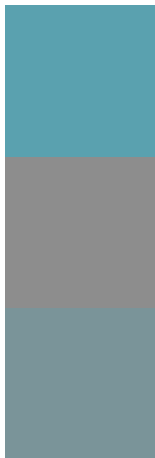
Deuteranomaly

29.9747, 0.2699, 0.2884

Tritanomaly

30.7194, 0.2460, 0.3072

Monochromacy



Original Color

30.7585, 0.2454, 0.3056

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.6173, 0.2828, 0.3205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7585, 0.2454, 0.3056 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(90, 161, 175)` looks like.

```
.text, #text, p{  
    color:rgb(90, 161, 175)  
}
```

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(90, 161, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 161, 175) }
```

Border

The CSS property to change the border of an element to Yxy 30.7585, 0.2454, 0.3056 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(90, 161, 175) }
```

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

```
.border{ border-color:rgb(90, 161, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 161, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 161, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 161, 175);  
box-shadow:4px 4px 4px 4px rgb(90, 161,  
175) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.7585, 0.2454, 0.3056$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 161, 175) }
```

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

```
.background{ background-color: rgb(90, 161,  
175) }
```

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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