

Converting Colors

$Yxy(32.6160, 0.2759, 0.4072)$

Have a look what the booklet for
Yxy(32.6160, 0.2759, 0.4072)
contains.

Yxy(32.5692, 0.2757, 0.4060)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5692, 0.2757, 0.4060)

Conversions

Conversions Part 1

Format	Color
Hex	54AB80
RGB	84, 171, 128
RGB Percent	33%, 67%, 50%
CMY	0.6704, 0.3294, 0.4981
CMYK	0.51, 0.00, 0.25, 0.33
HSL	150°, 34%, 50%
HSV	150°, 51%, 67%
XYZ	22.1166, 32.5692, 25.5339
YIQ	140.0850, -38.0490, -31.8170

Conversions

Conversions Part 2

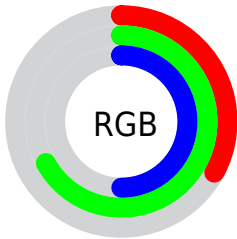
Format	Color
RYB	84, 142, 171
Decimal	5548928
CIELab	63.81, -36.47, 14.27
CIELCh	64, 39.167, 158.632
Yxy	32.5692, 0.2757, 0.4060
Android (android.graphics.Color)	4283739008 (0xFF54AB80)
YUV	140.0850, -5.9579, -49.1865
Hunter-Lab	57.0694, -30.6960, 13.4211

Details

The Yxy color **32.5692, 0.2757, 0.4060** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.5389, 0.3816, 0.2651**, and the grayscale version is **26.2986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7633, 0.2836, 0.3893**, and **13.7035, 0.2612, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **31.6615, 0.2714, 0.4247**, and if you desaturate by 10%, it is **33.6908, 0.2814, 0.3882**.

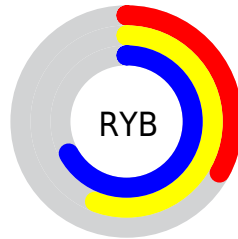
Distribution



Red (33%)

Green (67%)

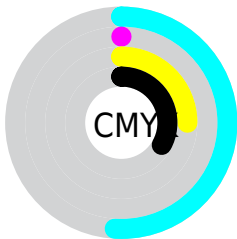
Blue (50%)



Red (33%)

Yellow (56%)

Blue (67%)

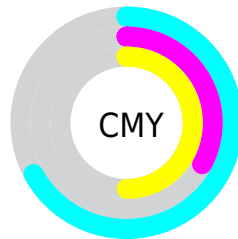


Cyan (51%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (67%)


Magenta (33%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5692, 0.2757, 0.4060 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 32.5692, 0.2757, 0.4060 by changing the saturation by 10% instead.


 32.5692, 0.2757,
0.4060


 32.5692, 0.2757,
0.4060


313.7040, 0.2962,
0.3633


 21.7966, 0.2698,
0.4183


 63.7024, 0.2837,
0.3893


 13.7075, 0.2617,
0.4352


 84.8317, 0.2865,
0.3834

 7.9175, 0.2500,
0.4598


 110.1822, 0.2889,
0.3786

 4.0422, 0.2314,
0.4987

 140.1381, 0.2908,
0.3745

 1.6972, 0.1923,
0.5798

175.0838, 0.2925,
0.3711

 0.4219, 0.0000,
1.0000

215.4038, 0.2939,

 0.0000, 0.0000,

0.3681

0.0000

261.4824, 0.2951,
0.3656

■ 32.5692, 0.2757,
0.4060

■ 32.5692, 0.2757,
0.4060

■ 31.6615, 0.2714,
0.4247

■ 33.6908, 0.2814,
0.3882

■ 30.9489, 0.2688,
0.4438

■ 35.0355, 0.2882,
0.3716

■ 30.4162, 0.2681,
0.4630

■ 36.6169, 0.2957,
0.3563

■ 30.0435, 0.2693,
0.4817

■ 38.4461, 0.3037,
0.3425

■ 29.8042, 0.2717,
0.4980

■ 40.5337, 0.3120,
0.3300

■ 42.8896, 0.3203,
0.3189

■ 45.5231, 0.3285,
0.3091

■ 48.4432, 0.3366,
0.3005

■ 51.6583, 0.3443,
0.2929

Harmonies

Analogous

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



32.5692, 0.3350, 0.4398



32.5692, 0.2757, 0.4060



32.5692, 0.2292, 0.3450

Triad

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



32.5692, 0.2757, 0.4060



32.5692, 0.2331, 0.2330



32.5692, 0.4333, 0.3530

Complementary

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



32.5692, 0.2757, 0.4060



16.5389, 0.3816, 0.2651

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.



32.5692, 0.4010, 0.3064



32.5692, 0.2757, 0.4060



32.5692, 0.2810, 0.2406

Square

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



32.5692, 0.2757, 0.4060



32.5692, 0.2071, 0.2474



32.5692, 0.3429, 0.2667



32.5692, 0.4285, 0.3991

Rectangle

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



32.5692, 0.2757, 0.4060



32.5692, 0.2106, 0.3039



32.5692, 0.3429, 0.2667



32.5692, 0.4264, 0.3371

Sweetspot

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



32.5705, 0.2757, 0.4060



67.3535, 0.3002, 0.3484



34.3188, 0.3423, 0.4700



14.8715, 0.2985, 0.3512



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.



32.5705, 0.2757, 0.4060



56.5292, 0.2710, 0.4270



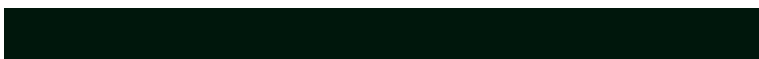
33.9529, 0.2477, 0.3288



9.0043, 0.3050, 0.3404



22.4786, 0.2712, 0.4963



0.6364, 0.2558, 0.4407

Inverse Universe

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



16.5389, 0.3816, 0.2651



24.5608, 0.4053, 0.2537



15.6456, 0.4542, 0.3294



8.0789, 0.3212, 0.3178



7.0271, 0.4948, 0.2499



0.2066, 0.4289, 0.2137

Previews

White Background



This preview shows how the Yxy color 32.5692, 0.2757, 0.4060 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 32.5692, 0.2757, 0.4060 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 32.5692, 0.2757, 0.4060

Background



This preview shows how black text looks on a background with the Yxy color 32.5692, 0.2757, 0.4060.



This preview shows how white text looks on a background with the Yxy color 32.5692, 0.2757, 0.4060.

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

32.5692, 0.2757, 0.4060

Protanopia

32.0310, 0.3562, 0.3791

Deuteranopia

32.1034, 0.3577, 0.3509



Tritanopia

32.3619, 0.2493, 0.3062

Trichromacy



Original Color

32.5692, 0.2757, 0.4060



Protanomaly

31.7226, 0.3213, 0.3900



Deuteranomaly

31.2553, 0.3227, 0.3693



Tritanomaly

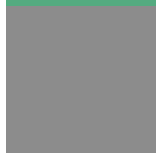
32.5027, 0.2586, 0.3407

Monochromacy



Original Color

32.5692, 0.2757, 0.4060



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

27.9039, 0.2958, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5692, 0.2757, 0.4060 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(84, 171, 128)` looks like.

```
.text, #text, p{  
  color:rgb(84, 171, 128)  
}
```

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(84, 171, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 171, 128) }
```

Border

The CSS property to change the border of an element to Yxy 32.5692, 0.2757, 0.4060 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(84, 171, 128) }
```

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

```
.border{ border-color:rgb(84, 171, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 171, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 171, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 171, 128);  
box-shadow:4px 4px 4px 4px rgb(84, 171,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5692, 0.2757, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 171, 128) }
```

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

```
.background{ background-color: rgb(84, 171,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor