

Converting Colors

$Yxy(27.5171, 0.2334, 0.3288)$

Have a look what the booklet for
Yxy(27.5171, 0.2334, 0.3288)
contains.

Yxy(27.5032, 0.2334, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(27.5032, 0.2334, 0.3288)$

Conversions

Conversions Part 1

Format	Color
Hex	2E9E9E
RGB	46, 158, 158
RGB Percent	18%, 62%, 62%
CMY	0.8197, 0.3804, 0.3804
CMYK	0.71, 0.00, 0.00, 0.38
HSL	180°, 55%, 40%
HSV	180°, 71%, 62%
XYZ	19.5233, 27.5032, 36.6207
YIQ	124.5120, -66.7520, -23.7440

Conversions

Conversions Part 2

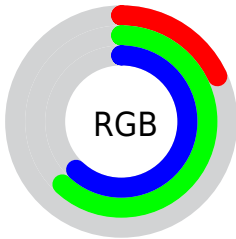
Format	Color
R_{YB}	46, 102, 158
Decimal	3055262
CIE _{Lab}	59.44, -30.15, -9.02
CIE _{LCh}	59, 31.469, 196.661
Yxy	27.5032, 0.2334, 0.3288
Android (android.graphics.Color)	4281245342 (0xFF2E9E9E)
YUV	124.5120, 16.5096, -68.8550
Hunter-Lab	52.4435, -25.3255, -4.6911

Details

The Yxy color **27.5032, 0.2334, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.4195, 0.5450, 0.3297**, and the grayscale version is **20.2948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6438, 0.2488, 0.3288**, and **11.3696, 0.2239, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **27.2025, 0.2289, 0.3288**, and if you desaturate by 10%, it is **27.9410, 0.2397, 0.3288**.

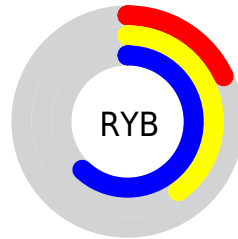
Distribution



Red (18%)

Green (62%)

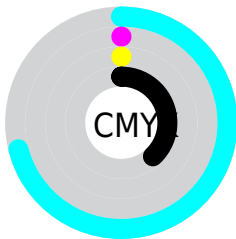
Blue (62%)



Red (18%)

Yellow (40%)

Blue (62%)

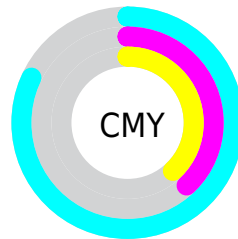


Cyan (71%)

Magenta (0%)

Yellow (0%)

Black (38%)



Cyan (82%)


Magenta (38%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5032, 0.2334, 0.3288 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 27.5032, 0.2334, 0.3288 by changing the saturation by 10% instead.


 27.5032, 0.2334,
0.3288


 27.5032, 0.2334,
0.3288


290.0853, 0.2755,
0.3300


 17.9515, 0.2221,
0.3280


 55.6903, 0.2493,
0.3296

 10.9152, 0.2072,
0.3266


 75.0945, 0.2551,
0.3297


 6.0098, 0.1866,
0.3241

 98.5516, 0.2599,
0.3298

 2.8511, 0.1566,
0.3187

 126.4461, 0.2640,
0.3299

 1.0545, 0.0773,
0.3172

 159.1623, 0.2675,
0.3300

 0.0000, 0.0000,
0.0000

197.0847, 0.2705,

0.3300

240.5975, 0.2732,
0.3300

■ 27.5032, 0.2334,
0.3288

■ 27.5032, 0.2334,
0.3288

■ 27.2025, 0.2289,
0.3288

■ 27.9410, 0.2397,
0.3288

■ 27.0201, 0.2261,
0.3288

■ 28.5261, 0.2479,
0.3288

■ 26.9236, 0.2247,
0.3288

■ 29.2713, 0.2579,
0.3289

■ 30.1871, 0.2694,
0.3289

■ 31.2831, 0.2824,
0.3289

■ 32.5683, 0.2964,
0.3290

■ 34.0509, 0.3113,
0.3290

■ 35.7390, 0.3268,
0.3290

■ 37.6397, 0.3426,
0.3291

Harmonies

Analogous

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



27.5032, 0.2693, 0.3813



27.5032, 0.2334, 0.3288



27.5032, 0.2182, 0.2822

Triad

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



27.5032, 0.2334, 0.3288



27.5032, 0.2995, 0.2569



27.5032, 0.4059, 0.3996

Complementary

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



27.5032, 0.2334, 0.3288



9.4195, 0.5450, 0.3297

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.



27.5032, 0.4174, 0.3621



27.5032, 0.2334, 0.3288



27.5032, 0.3530, 0.2836

Square

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



27.5032, 0.2334, 0.3288



27.5032, 0.2537, 0.2459



27.5032, 0.3978, 0.3207



27.5032, 0.3690, 0.4224

Rectangle

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



27.5032, 0.2334, 0.3288



27.5032, 0.2205, 0.2609



27.5032, 0.3978, 0.3207



27.5032, 0.4130, 0.3881

Sweetspot

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



27.5042, 0.2334, 0.3288



56.6955, 0.2817, 0.3289



25.2775, 0.3033, 0.5503



12.6595, 0.2782, 0.3289



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.5042, 0.2334, 0.3288



49.1805, 0.2271, 0.3288



12.9218, 0.2061, 0.2177



7.5095, 0.2988, 0.3290



21.5613, 0.2247, 0.3288



0.3855, 0.2247, 0.3288

Inverse Universe

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



9.4195, 0.5450, 0.3297



14.2787, 0.6086, 0.3299



16.6054, 0.4726, 0.4095



6.6462, 0.3284, 0.3290



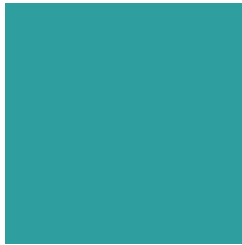
5.8219, 0.6400, 0.3300



0.1041, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 27.5032, 0.2334, 0.3288 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5032, 0.2334, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

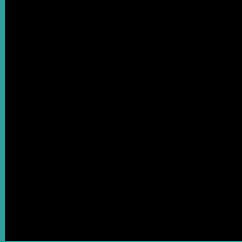
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5032, 0.2334, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 27.5032, 0.2334, 0.3288.

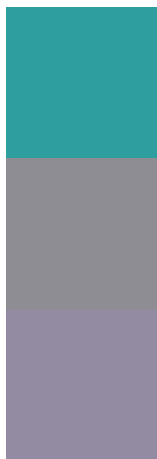


This preview shows how white text looks on a background with the Yxy color 27.5032, 0.2334, 0.3288.

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

27.5032, 0.2334, 0.3288

Protanopia

27.0275, 0.3079, 0.3177

Deuteranopia

27.1849, 0.2976, 0.2930



Tritanopia

27.3984, 0.2288, 0.3056

Trichromacy



Original Color

27.5032, 0.2334, 0.3288



Protanomaly

26.3226, 0.2710, 0.3201



Deuteranomaly

26.4460, 0.2654, 0.3033



Tritanomaly

27.5087, 0.2304, 0.3143

Monochromacy



Original Color

27.5032, 0.2334, 0.3288



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.1843, 0.2711, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5032, 0.2334, 0.3288 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(46, 158, 158)` looks like.

```
.text, #text, p{  
    color:rgb(46, 158, 158)  
}
```

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(46, 158, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 158, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.5032, 0.2334, 0.3288 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(46, 158, 158) }
```

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

```
.border{ border-color:rgb(46, 158, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 158, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 158, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 158, 158);  
box-shadow:4px 4px 4px 4px rgb(46, 158,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5032, 0.2334, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 158, 158) }
```

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

```
.background{ background-color: rgb(46, 158,  
158) }
```

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