

Converting Colors

$Y_{xy}(17.2672, 0.2760, 0.4940)$

Have a look what the booklet for
Yxy(17.2672, 0.2760, 0.4940)
contains.

Yxy(17.3171, 0.2763, 0.4953)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(17.3171, 0.2763, 0.4953)

Conversions

Conversions Part 1

Format	Color
Hex	148542
RGB	20, 133, 66
RGB Percent	8%, 52%, 26%
CMY	0.9213, 0.4784, 0.7412
CMYK	0.85, 0.00, 0.50, 0.48
HSL	144°, 74%, 30%
HSV	144°, 85%, 52%
XYZ	9.6602, 17.3171, 7.9855
YIQ	91.5750, -45.8410, -44.7930

Conversions

Conversions Part 2

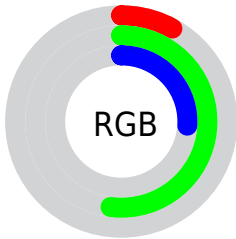
Format	Color
R_{YB}	20, 100, 133
Decimal	1344834
CIE _{Lab}	48.66, -45.36, 27.76
CIE _{LCh}	49, 53.178, 148.530
Yxy	17.3171, 0.2763, 0.4953
Android (android.graphics.Color)	4279534914 (0xFF148542)
YUV	91.5750, -12.6085, -62.7713
Hunter-Lab	41.6138, -31.3872, 17.7522

Details

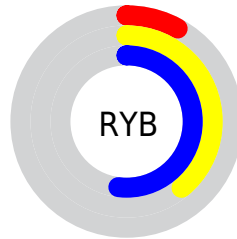
The Yxy color **17.3171, 0.2763, 0.4953** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.1793, 0.4245, 0.2252**, and the grayscale version is **10.6425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8047, 0.2883, 0.4512**, and **6.0851, 0.2884, 0.5583** is the 20% darker color. If you saturate the color by 10%, you get **17.1252, 0.2783, 0.5159**, and if you desaturate by 10%, it is **17.5975, 0.2760, 0.4734**.

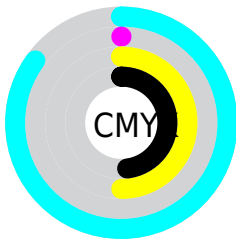
Distribution



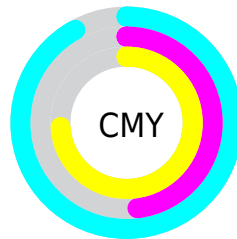
- Red (8%)
- Green (52%)
- Blue (26%)



- Red (8%)
- Yellow (39%)
- Blue (52%)



- Cyan (85%)
- Magenta (0%)
- Yellow (50%)
- Black (48%)





- Cyan (92%)
- Magenta (48%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3171, 0.2763, 0.4953 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 17.3171, 0.2763, 0.4953 by changing the saturation by 10% instead.


 17.3171, 0.2763,
0.4953


 17.3171, 0.2763,
0.4953


236.9932, 0.3014,
0.3918


 10.4608, 0.2658,
0.5312


 38.8702, 0.2880,
0.4512


 5.7056, 0.2484,
0.5851

 54.3358, 0.2915,
0.4367


 2.6669, 0.2234,
0.6961

 73.4400, 0.2942,
0.4253

 0.9604, 0.0000,
1.0000

 96.5671, 0.2963,
0.4160

 0.0000, 0.0000,
0.0000

 124.1016, 0.2979,
0.4084

 156.4278, 0.2993,

0.4020

193.9302, 0.3005,
0.3965

■ 17.3171, 0.2763,
0.4953

■ 17.3171, 0.2763,
0.4953

■ 17.1252, 0.2783,
0.5159

■ 17.5975, 0.2760,
0.4734

■ 17.0420, 0.2794,
0.5259

■ 17.9776, 0.2774,
0.4510

■ 18.4676, 0.2805,
0.4287

■ 19.0760, 0.2848,
0.4072

■ 19.8104, 0.2901,
0.3870

■ 20.6776, 0.2962,
0.3683

■ 21.6841, 0.3027,
0.3512

■ 22.8357, 0.3094,
0.3359

■ 24.1383, 0.3162,
0.3222

Harmonies

Analogous

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



17.3171, 0.3703, 0.5189



17.3171, 0.2763, 0.4953



17.3171, 0.1973, 0.3917

Triad

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



17.3171, 0.2763, 0.4953



17.3171, 0.1720, 0.1837



17.3171, 0.5020, 0.3317

Complementary

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



17.3171, 0.2763, 0.4953



6.1793, 0.4245, 0.2252

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.



17.3171, 0.4298, 0.2678



17.3171, 0.2763, 0.4953



17.3171, 0.2309, 0.1870

Square

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



17.3171, 0.2763, 0.4953



17.3171, 0.1468, 0.2116



17.3171, 0.3237, 0.2166



17.3171, 0.5073, 0.4015

Rectangle

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



17.3171, 0.2763, 0.4953



17.3171, 0.1640, 0.3140



17.3171, 0.3237, 0.2166



17.3171, 0.4846, 0.3096

Sweetspot

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



17.3178, 0.2763, 0.4953



36.9184, 0.2958, 0.3695



18.8924, 0.3571, 0.5387



8.2085, 0.2939, 0.3749



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



17.3178, 0.2763, 0.4953



30.4893, 0.2805, 0.5299



18.3225, 0.2354, 0.3543



5.2338, 0.3065, 0.3422



16.2344, 0.2793, 0.5255



0.0576, 0.2564, 0.4429

Inverse Universe

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



6.1793, 0.4245, 0.2252



9.9073, 0.4560, 0.2285



5.5906, 0.5772, 0.3171



4.7316, 0.3194, 0.3162



5.2881, 0.4519, 0.2263



0.0198, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 17.3171, 0.2763, 0.4953 looks on a white 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

Black Background



This preview shows how the Yxy color 17.3171, 0.2763, 0.4953 looks on a black 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

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

Yxy 17.3171, 0.2763, 0.4953

Background



This preview shows how black text looks on a background with the Yxy color 17.3171, 0.2763, 0.4953.



This preview shows how white text looks on a background with the Yxy color 17.3171, 0.2763, 0.4953.

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

17.3171, 0.2763, 0.4953

Protanopia

17.0997, 0.3970, 0.4324

Deuteranopia

17.1087, 0.4043, 0.3977



Tritanopia

17.2291, 0.2356, 0.3052

Trichromacy



Original Color

17.3171, 0.2763, 0.4953



Protanomaly

16.3416, 0.3360, 0.4632



Deuteranomaly

15.8859, 0.3399, 0.4352



Tritanomaly

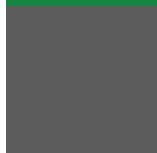
17.0783, 0.2491, 0.3685

Monochromacy



Original Color

17.3171, 0.2763, 0.4953



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.2982, 0.2883, 0.3911

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3171, 0.2763, 0.4953 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(20, 133, 66)` looks like.

```
.text, #text, p{  
    color:rgb(20, 133, 66)  
}
```

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(20, 133, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 133, 66) }
```

Border

The CSS property to change the border of an element to Yxy 17.3171, 0.2763, 0.4953 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(20, 133, 66) }
```

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

```
.border{ border-color:rgb(20, 133, 66) }
```

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

Here you see how a box with a 4 pixel rgb(20, 133, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 133, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 133, 66);  
box-shadow:4px 4px 4px 4px rgb(20, 133,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3171, 0.2763, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 133, 66) }
```

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

```
.background{ background-color: rgb(20, 133,  
66) }
```

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