

Converting Colors

$Yxy(20.1443, 0.2979, 0.5963)$

Have a look what the booklet for
Yxy(20.1443, 0.2979, 0.5963)
contains.

Yxy(20.2683, 0.2987, 0.5954)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2683, 0.2987, 0.5954)

Conversions

Conversions Part 1

Format	Color
Hex	009108
RGB	0, 145, 8
RGB Percent	0%, 57%, 3%
CMY	1.0000, 0.4314, 0.9687
CMYK	1.00, 0.00, 0.94, 0.43
HSL	123°, 100%, 28%
HSV	123°, 100%, 57%
XYZ	10.1682, 20.2683, 3.6050
YIQ	86.0270, -42.4430, -73.3470

Conversions

Conversions Part 2

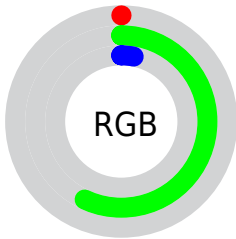
Format	Color
RYB	0, 137, 145
Decimal	37128
CIELab	52.14, -56.34, 53.26
CIELCh	52, 77.533, 136.612
Yxy	20.2683, 0.2987, 0.5954
Android (android.graphics.Color)	4278227208 (0xFF009108)
YUV	86.0270, -38.4673, -75.4457
Hunter-Lab	45.0203, -38.4700, 26.7666

Details

The Yxy color **20.2683, 0.2987, 0.5954** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.8271, 0.3349, 0.1619**, and the grayscale version is **9.4023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7897, 0.3115, 0.5303**, and **7.8287, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.2697, 0.2987, 0.5954**, and if you desaturate by 10%, it is **20.4064, 0.2988, 0.5831**.

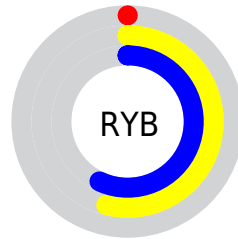
Distribution



Red (0%)

Green (57%)

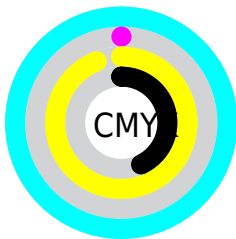
Blue (3%)



Red (0%)

Yellow (54%)

Blue (57%)

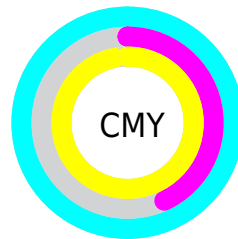


Cyan (100%)

Magenta (0%)

Yellow (94%)

Black (43%)



Cyan (100%)


Magenta (43%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2683, 0.2987, 0.5954 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 20.2683, 0.2987, 0.5954 by changing the saturation by 10% instead.


 20.2683, 0.2987,
0.5954


 20.2683, 0.2987,
0.5954


253.3639, 0.3189,
0.4346


 12.5902, 0.2847,
0.6432


 43.8666, 0.3114,
0.5303


 7.1470, 0.2646,
0.7202


 60.5555, 0.3143,
0.5078


 3.5542, 0.2125,
0.7875

 81.0169, 0.3161,
0.4896

 1.4275, 0.0000,
1.0000

 105.6351, 0.3173,
0.4746

 0.2368, 0.0000,
1.0000


 134.7945, 0.3180,
0.4621


 0.0000, 0.0000,
0.0000


 168.8795, 0.3185,

0.4515


 208.2745, 0.3187,
0.4424


 20.2683, 0.2987,
0.5954

 20.2683, 0.2987,
0.5954


 20.2697, 0.2987,
0.5954

 20.4064, 0.2988,
0.5831

 20.6371, 0.2989,
0.5638

 20.9992, 0.2996,
0.5377

 21.5084, 0.3008,
0.5070

 22.1780, 0.3025,
0.4739

■ 23.0201, 0.3045,
0.4406

■ 24.0455, 0.3066,
0.4086

■ 25.2640, 0.3087,
0.3791

■ 26.6850, 0.3108,
0.3525

Harmonies

Analogous

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



20.2683, 0.4161, 0.5540



20.2683, 0.2987, 0.5954



20.2683, 0.1901, 0.4873

Triad

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



20.2683, 0.2987, 0.5954



20.2683, 0.1191, 0.1513



20.2683, 0.5417, 0.2898

Complementary

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



20.2683, 0.2987, 0.5954



7.8271, 0.3349, 0.1619

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.



20.2683, 0.4142, 0.2195



20.2683, 0.2987, 0.5954



20.2683, 0.1709, 0.1445

Square

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



20.2683, 0.2987, 0.5954



20.2683, 0.1033, 0.1981



20.2683, 0.2704, 0.1680



20.2683, 0.5760, 0.3676

Rectangle

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



20.2683, 0.2987, 0.5954



20.2683, 0.1394, 0.3652



20.2683, 0.2704, 0.1680



20.2683, 0.5070, 0.2652

Sweetspot

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



20.2697, 0.2987, 0.5954



42.9341, 0.3065, 0.4105



25.6346, 0.4108, 0.5120



9.3910, 0.3057, 0.4223



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.2697, 0.2987, 0.5954



36.2890, 0.2991, 0.5966



20.8278, 0.2668, 0.4805



6.0339, 0.3109, 0.3504



17.3861, 0.2986, 0.5950



0.1670, 0.2921, 0.5716

Inverse Universe

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



7.8271, 0.3349, 0.1619



14.0077, 0.3352, 0.1620



6.4048, 0.5127, 0.2598



5.5060, 0.3145, 0.3085



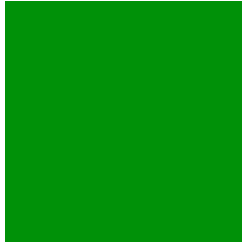
6.7144, 0.3348, 0.1618



0.0652, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 20.2683, 0.2987, 0.5954 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 20.2683, 0.2987, 0.5954 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 20.2683, 0.2987, 0.5954

Background



This preview shows how black text looks on a background with the Yxy color 20.2683, 0.2987, 0.5954.



This preview shows how white text looks on a background with the Yxy color 20.2683, 0.2987, 0.5954.

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

20.2683, 0.2987, 0.5954

Protanopia

19.9908, 0.4404, 0.4885

Deuteranopia

19.8948, 0.4583, 0.4485



Tritanopia

20.3954, 0.2373, 0.3068

Trichromacy



Original Color

20.2683, 0.2987, 0.5954



Protanomaly

18.6329, 0.3638, 0.5472



Deuteranomaly

17.8933, 0.3750, 0.5206



Tritanomaly

19.7411, 0.2639, 0.4277

Monochromacy



Original Color

20.2683, 0.2987, 0.5954



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

11.6331, 0.3029, 0.4639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2683, 0.2987, 0.5954 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(0, 145, 8)` looks like.

```
.text, #text, p{  
  color:rgb(0, 145, 8)  
}
```

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(0, 145, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 8) }
```

Border

The CSS property to change the border of an element to Yxy 20.2683, 0.2987, 0.5954 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(0, 145, 8) }
```

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

```
.border{ border-color:rgb(0, 145, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 145, 8); box-shadow:4px  
4px 4px 4px rgb(0, 145, 8) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2683, 0.2987, 0.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 8) }
```

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

```
.background{ background-color: rgb(0, 145,  
8) }
```

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