

Converting Colors

$Y_{xy}(20.0679, 0.2667, 0.5855)$

Have a look what the booklet for
Yxy(20.0679, 0.2667, 0.5855)
contains.

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Color

Yxy(20.9948, 0.2914, 0.5689)

Conversions

Conversions Part 1

Format	Color
Hex	009324
RGB	0, 147, 36
RGB Percent	0%, 58%, 14%
CMY	0.9993, 0.4235, 0.8588
CMYK	1.00, 0.00, 0.76, 0.42
HSL	135°, 100%, 29%
HSV	135°, 100%, 58%
XYZ	10.7539, 20.9948, 5.1555
YIQ	90.3930, -51.9810, -65.6850

Conversions

Conversions Part 2

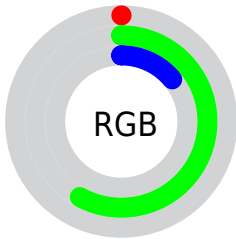
Format	Color
RYB	0, 118, 147
Decimal	37668
CIELab	52.94, -55.34, 46.51
CIELCh	53, 72.292, 139.953
Yxy	20.9948, 0.2914, 0.5689
Android (android.graphics.Color)	4278227748 (0xFF009324)
YUV	90.3930, -26.8157, -79.2747
Hunter-Lab	45.8201, -38.2915, 25.4030

Details

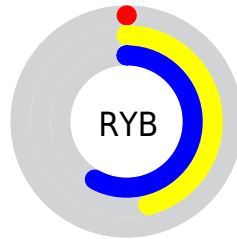
The Yxy color **20.9948, 0.2914, 0.5689** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **7.3579, 0.3925, 0.1937**, and the grayscale version is **10.4004, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9241, 0.3032, 0.5097**, and **8.1844, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **20.9937, 0.2914, 0.5691**, and if you desaturate by 10%, it is **21.1738, 0.2893, 0.5497**.

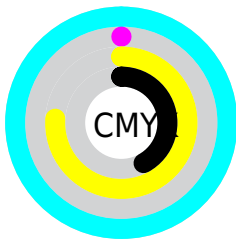
Distribution



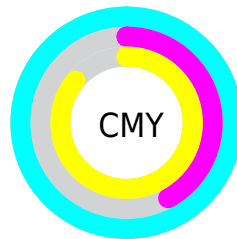
- Red (0%)
- Green (58%)
- Blue (14%)



- Red (0%)
- Yellow (46%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (42%)




- Cyan (100%)
- Magenta (42%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9948, 0.2914, 0.5689 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 20.9948, 0.2914, 0.5689 by changing the saturation by 10% instead.


 20.9948, 0.2914,
0.5689


 20.9948, 0.2914,
0.5689


257.2509, 0.3126,
0.4235


 13.1202, 0.2793,
0.6141


 45.0789, 0.3032,
0.5093


 7.5114, 0.2583,
0.6769


 62.0572, 0.3063,
0.4889

 3.7839, 0.2226,
0.7774

 82.8388, 0.3083,
0.4725

 1.5534, 0.0071,
0.9929

 107.8081, 0.3098,
0.4591

 0.3259, 0.0000,
1.0000

 137.3496, 0.3108,
0.4480

 0.0000, 0.0000,
0.0000

 171.8476, 0.3116,

0.4385

211.6866, 0.3122,
0.4305

■ 20.9948, 0.2914,
0.5689

■ 20.9948, 0.2914,
0.5689

■ 20.9937, 0.2914,
0.5691

■ 21.1738, 0.2893,
0.5497

■ 21.4446, 0.2879,
0.5265

■ 21.8427, 0.2879,
0.5004

■ 22.3821, 0.2893,
0.4726

■ 23.0753, 0.2918,
0.4446

■ 23.9330, 0.2952,
0.4174

■ 24.9652, 0.2992,
0.3919

■ 26.1811, 0.3036,
0.3685

■ 27.5890, 0.3082,
0.3475

Harmonies

Analogous

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



20.9948, 0.4030, 0.5499



20.9948, 0.2914, 0.5689



20.9948, 0.1904, 0.4554

Triad

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



20.9948, 0.2914, 0.5689



20.9948, 0.1328, 0.1591



20.9948, 0.5334, 0.3026

Complementary

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



20.9948, 0.2914, 0.5689



7.3579, 0.3925, 0.1937

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.



20.9948, 0.4226, 0.2334



20.9948, 0.2914, 0.5689



20.9948, 0.1876, 0.1554

Square

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



20.9948, 0.2914, 0.5689



20.9948, 0.1141, 0.2001



20.9948, 0.2875, 0.1812



20.9948, 0.5577, 0.3793

Rectangle

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



20.9948, 0.2914, 0.5689



20.9948, 0.1447, 0.3463



20.9948, 0.2875, 0.1812



20.9948, 0.5042, 0.2785

Sweetspot

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



20.9957, 0.2914, 0.5689



44.5631, 0.2989, 0.3937



24.3609, 0.3793, 0.5369



10.0045, 0.2973, 0.4033



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.9957, 0.2914, 0.5689



37.5734, 0.2923, 0.5722



21.9476, 0.2489, 0.4159



6.4903, 0.3085, 0.3462



18.2043, 0.2912, 0.5682



0.2269, 0.2704, 0.4933

Inverse Universe

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



7.3579, 0.3925, 0.1937



13.1398, 0.3944, 0.1946



6.3554, 0.5829, 0.2986



5.8852, 0.3172, 0.3124



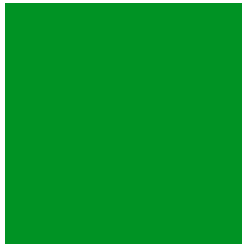
6.3790, 0.3922, 0.1934



0.0827, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 20.9948, 0.2914, 0.5689 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 20.9948, 0.2914, 0.5689 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 20.9948, 0.2914, 0.5689

Background



This preview shows how black text looks on a background with the Yxy color 20.9948, 0.2914, 0.5689.



This preview shows how white text looks on a background with the Yxy color 20.9948, 0.2914, 0.5689.

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

20.9948, 0.2914, 0.5689

Protanopia

20.6834, 0.4280, 0.4735

Deuteranopia

20.8063, 0.4446, 0.4377



Tritanopia

21.0215, 0.2369, 0.3071

Trichromacy



Original Color

20.9948, 0.2914, 0.5689



Protanomaly

19.3337, 0.3534, 0.5249



Deuteranomaly

18.8490, 0.3625, 0.4996



Tritanomaly

20.5426, 0.2565, 0.4048

Monochromacy



Original Color

20.9948, 0.2914, 0.5689



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.6809, 0.2928, 0.4380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9948, 0.2914, 0.5689 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, 147, 36)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 36)  
}
```

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, 147, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 36) }
```

Border

The CSS property to change the border of an element to Yxy 20.9948, 0.2914, 0.5689 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, 147, 36) }
```

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

```
.border{ border-color:rgb(0, 147, 36) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 36);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 36)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9948, 0.2914, 0.5689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 36) }
```

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

```
.background{ background-color: rgb(0, 147,  
36) }
```

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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