

Converting Colors

$Y_{xy}(17.3233, 0.2359, 0.6433)$

Have a look what the booklet for
Yxy(17.3233, 0.2359, 0.6433)
contains.

Yxy(19.0695, 0.2985, 0.5945)	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(19.0695, 0.2985, 0.5945)

Conversions

Conversions Part 1

Format	Color
Hex	008D09
RGB	0, 141, 9
RGB Percent	0%, 55%, 4%
CMY	0.9996, 0.4471, 0.9650
CMYK	1.00, 0.00, 0.94, 0.45
HSL	124°, 100%, 28%
HSV	124°, 100%, 55%
XYZ	9.5748, 19.0695, 3.4322
YIQ	83.7930, -41.6640, -70.9440

Conversions

Conversions Part 2

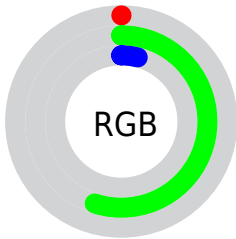
Format	Color
RYB	0, 133, 141
Decimal	36105
CIELab	50.77, -55.15, 51.94
CIElCh	51, 75.755, 136.715
Yxy	19.0695, 0.2985, 0.5945
Android (android.graphics.Color)	4278226185 (0xFF008D09)
YUV	83.7930, -36.8729, -73.4865
Hunter-Lab	43.6686, -37.2820, 25.9081

Details

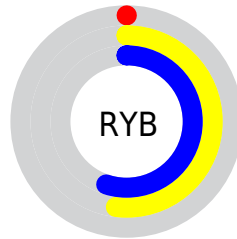
The Yxy color **19.0695, 0.2985, 0.5945** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7.3361, 0.3369, 0.1630**, and the grayscale version is **8.9102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9132, 0.3114, 0.5280**, and **7.1448, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.0694, 0.2985, 0.5946**, and if you desaturate by 10%, it is **19.2036, 0.2985, 0.5817**.

Distribution



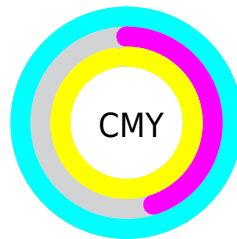
- Red (0%)
- Green (55%)
- Blue (4%)



- Red (0%)
- Yellow (52%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (94%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0695, 0.2985, 0.5945 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 19.0695, 0.2985, 0.5945 by changing the saturation by 10% instead.

 19.0695, 0.2985,
0.5945


 19.0695, 0.2985,
0.5945


246.8322, 0.3187,
0.4329


 11.7205, 0.2842,
0.6434


 41.8515, 0.3113,
0.5286


 6.5537, 0.2648,
0.7266


 58.0533, 0.3142,
0.5059


 3.1846, 0.2085,
0.7915

 77.9748, 0.3160,
0.4876

 1.2288, 0.0000,
1.0000

 102.0005, 0.3171,
0.4726

 0.0851, 0.0000,
1.0000


 130.5146, 0.3179,
0.4602


 0.0000, 0.0000,
0.0000


 163.9017, 0.3183,


0.4496


 202.5461, 0.3185,
0.4406


 19.0695, 0.2985,
0.5945


 19.0695, 0.2985,
0.5945


 19.0694, 0.2985,
0.5946

 19.2036, 0.2985,
0.5817

 19.4248, 0.2986,
0.5619

 19.7692, 0.2992,
0.5357

 20.2511, 0.3004,
0.5050

 20.8831, 0.3022,
0.4721

■ 21.6762, 0.3042,
0.4391

■ 22.6404, 0.3063,
0.4075

■ 23.7850, 0.3085,
0.3783

■ 25.1183, 0.3107,
0.3521

Harmonies

Analogous

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



19.0695, 0.4157, 0.5538



19.0695, 0.2985, 0.5945



19.0695, 0.1902, 0.4862

Triad

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



19.0695, 0.2985, 0.5945



19.0695, 0.1195, 0.1516



19.0695, 0.5414, 0.2902

Complementary

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



19.0695, 0.2985, 0.5945



7.3361, 0.3369, 0.1630

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.



19.0695, 0.4145, 0.2200



19.0695, 0.2985, 0.5945



19.0695, 0.1714, 0.1449

Square

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



19.0695, 0.2985, 0.5945



19.0695, 0.1037, 0.1982



19.0695, 0.2709, 0.1685



19.0695, 0.5754, 0.3680

Rectangle

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



19.0695, 0.2985, 0.5945



19.0695, 0.1396, 0.3646



19.0695, 0.2709, 0.1685



19.0695, 0.5068, 0.2657

Sweetspot

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



19.0703, 0.2985, 0.5945



40.4097, 0.3062, 0.4097



24.1150, 0.4108, 0.5120



8.8769, 0.3054, 0.4212



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.0703, 0.2985, 0.5945



34.1403, 0.2989, 0.5960



19.5951, 0.2667, 0.4800



6.0345, 0.3108, 0.3502



17.3884, 0.2984, 0.5943



0.1671, 0.2911, 0.5679

Inverse Universe

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



7.3361, 0.3369, 0.1630



13.1238, 0.3372, 0.1631



6.0298, 0.5119, 0.2594



5.5053, 0.3146, 0.3086



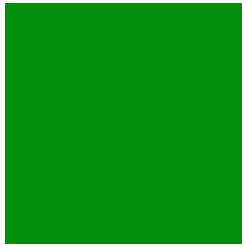
6.6876, 0.3368, 0.1629



0.0651, 0.3282, 0.1582

Previews

White Background



This preview shows how the Yxy color 19.0695, 0.2985, 0.5945 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 19.0695, 0.2985, 0.5945 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 19.0695, 0.2985, 0.5945

Background



This preview shows how black text looks on a background with the Yxy color 19.0695, 0.2985, 0.5945.



This preview shows how white text looks on a background with the Yxy color 19.0695, 0.2985, 0.5945.

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

19.0695, 0.2985, 0.5945

Protanopia

18.9090, 0.4396, 0.4892

Deuteranopia

18.7182, 0.4562, 0.4485



Tritanopia

19.1154, 0.2371, 0.3062

Trichromacy



Original Color

19.0695, 0.2985, 0.5945



Protanomaly

17.4712, 0.3648, 0.5463



Deuteranomaly

16.9680, 0.3734, 0.5195



Tritanomaly

18.5482, 0.2634, 0.4255

Monochromacy



Original Color

19.0695, 0.2985, 0.5945



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

11.1554, 0.3017, 0.4637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0695, 0.2985, 0.5945 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, 141, 9)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 9)  
}
```

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, 141, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 9) }
```

Border

The CSS property to change the border of an element to Yxy 19.0695, 0.2985, 0.5945 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, 141, 9) }
```

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

```
.border{ border-color:rgb(0, 141, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 141, 9); box-shadow:4px  
4px 4px 4px rgb(0, 141, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0695, 0.2985, 0.5945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 9) }
```

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

```
.background{ background-color: rgb(0, 141,  
9) }
```

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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