

Converting Colors

$Y_{xy}(19.1825, 0.2721, 0.4994)$

Have a look what the booklet for
Yxy(19.1825, 0.2721, 0.4994)
contains.

Yxy(19.1858, 0.2720, 0.4994)	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(19.1858, 0.2720, 0.4994)

Conversions

Conversions Part 1

Format	Color
Hex	008C45
RGB	0, 140, 69
RGB Percent	0%, 55%, 27%
CMY	1.0000, 0.4509, 0.7294
CMYK	1.00, 0.00, 0.51, 0.45
HSL	150°, 100%, 27%
HSV	150°, 100%, 55%
XYZ	10.4496, 19.1858, 8.7823
YIQ	90.0460, -60.6490, -51.7610

Conversions

Conversions Part 2

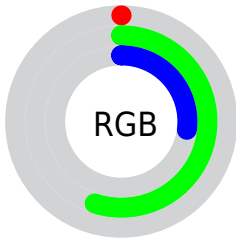
Format	Color
RYB	0, 94, 140
Decimal	35909
CIELab	50.90, -48.85, 28.94
CIELCh	51, 56.778, 149.358
Yxy	19.1858, 0.2720, 0.4994
Android (android.graphics.Color)	4278225989 (0xFF008C45)
YUV	90.0460, -10.3757, -78.9703
Hunter-Lab	43.8016, -34.0686, 18.7734

Details

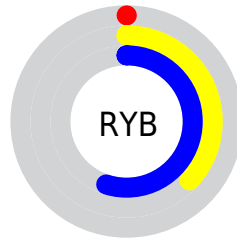
The Yxy color **19.1858, 0.2720, 0.4994** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.0312, 0.4883, 0.2464**, and the grayscale version is **10.2702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2011, 0.2846, 0.4547**, and **7.0374, 0.2885, 0.5586** is the 20% darker color. If you saturate the color by 10%, you get **19.1883, 0.2721, 0.4994**, and if you desaturate by 10%, it is **19.3752, 0.2699, 0.4812**.

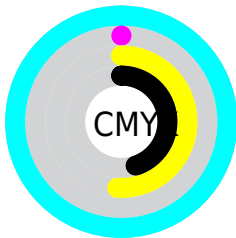
Distribution



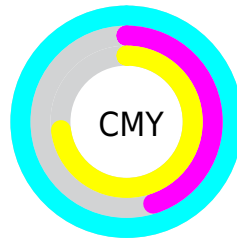
- Red (0%)
- Green (55%)
- Blue (27%)



- Red (0%)
- Yellow (37%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (51%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1858, 0.2720, 0.4994 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 19.1858, 0.2720, 0.4994 by changing the saturation by 10% instead.


 19.1858, 0.2720,
0.4994

 19.1858, 0.2720,
0.4994


247.4726, 0.2995,
0.3946


 11.8046, 0.2611,
0.5348


 42.0478, 0.2845,
0.4552


 6.6108, 0.2434,
0.5872


 58.2974, 0.2883,
0.4406


 3.2199, 0.2150,
0.6801

 78.2720, 0.2913,
0.4289

 1.2476, 0.0000,
1.0000

 102.3559, 0.2936,
0.4195

 0.1001, 0.0000,
1.0000

 130.9335, 0.2955,
0.4116

 0.0000, 0.0000,
0.0000

 164.3892, 0.2971,

0.4050

203.1074, 0.2984,
0.3994

■ 19.1858, 0.2720,
0.4994

■ 19.1858, 0.2720,
0.4994

■ 19.1883, 0.2721,
0.4994

■ 19.3752, 0.2699,
0.4812

■ 19.6332, 0.2691,
0.4623

■ 19.9943, 0.2701,
0.4429

■ 20.4701, 0.2729,
0.4236

■ 21.0707, 0.2773,
0.4049

■ 21.8048, 0.2830,
0.3871

■ 22.6805, 0.2896,
0.3705

■ 23.7052, 0.2970,
0.3553

■ 24.8858, 0.3047,
0.3414

Harmonies

Analogous

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



19.1858, 0.3682, 0.5253



19.1858, 0.2720, 0.4994



19.1858, 0.1921, 0.3901

Triad

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



19.1858, 0.2720, 0.4994



19.1858, 0.1698, 0.1798



19.1858, 0.5088, 0.3329

Complementary

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



19.1858, 0.2720, 0.4994



6.0312, 0.4883, 0.2464

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.



19.1858, 0.4361, 0.2676



19.1858, 0.2720, 0.4994



19.1858, 0.2308, 0.1841

Square

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



19.1858, 0.2720, 0.4994



19.1858, 0.1432, 0.2069



19.1858, 0.3268, 0.2150



19.1858, 0.5116, 0.4041

Rectangle

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



19.1858, 0.2720, 0.4994



19.1858, 0.1590, 0.3099



19.1858, 0.3268, 0.2150



19.1858, 0.4917, 0.3103

Sweetspot

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



19.1883, 0.2721, 0.4994



39.8763, 0.2892, 0.3715



20.1494, 0.3404, 0.5679



9.0505, 0.2866, 0.3776



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.



19.1883, 0.2721, 0.4994



33.7931, 0.2730, 0.5029



20.5842, 0.2260, 0.3337



5.6466, 0.3054, 0.3403



17.0514, 0.2718, 0.4985



0.1162, 0.2502, 0.4206

Inverse Universe

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



6.0312, 0.4883, 0.2464



10.5994, 0.4926, 0.2487



5.5813, 0.6376, 0.3286



5.0881, 0.3207, 0.3180



5.3623, 0.4872, 0.2458



0.0386, 0.4017, 0.1987

Previews

White Background



This preview shows how the Yxy color 19.1858, 0.2720, 0.4994 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 19.1858, 0.2720, 0.4994 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 19.1858, 0.2720, 0.4994

Background



This preview shows how black text looks on a background with the Yxy color 19.1858, 0.2720, 0.4994.



This preview shows how white text looks on a background with the Yxy color 19.1858, 0.2720, 0.4994.

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

19.1858, 0.2720, 0.4994

Protanopia

19.0091, 0.3977, 0.4350

Deuteranopia

18.8805, 0.4060, 0.3981



Tritanopia

19.2700, 0.2341, 0.3062

Trichromacy



Original Color

19.1858, 0.2720, 0.4994



Protanomaly

17.7513, 0.3273, 0.4678



Deuteranomaly

17.2235, 0.3306, 0.4406



Tritanomaly

18.9290, 0.2450, 0.3717

Monochromacy



Original Color

19.1858, 0.2720, 0.4994



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

12.2042, 0.2796, 0.3980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1858, 0.2720, 0.4994 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, 140, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 69)  
}
```

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, 140, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 69) }
```

Border

The CSS property to change the border of an element to Yxy 19.1858, 0.2720, 0.4994 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, 140, 69) }
```

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

```
.border{ border-color:rgb(0, 140, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 140, 69)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1858, 0.2720, 0.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 69) }
```

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

```
.background{ background-color: rgb(0, 140,  
69) }
```

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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