

Converting Colors

$Yxy(21.1686, 0.2517, 0.4212)$

Have a look what the booklet for
Yxy(21.1686, 0.2517, 0.4212)
contains.

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Color

Yxy(21.3019, 0.2516, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	089168
RGB	8, 145, 104
RGB Percent	3%, 57%, 41%
CMY	0.9698, 0.4313, 0.5921
CMYK	0.95, 0.00, 0.28, 0.43
HSL	162°, 90%, 30%
HSV	162°, 95%, 57%
XYZ	12.7215, 21.3019, 16.5389
YIQ	99.3630, -68.4910, -41.7950

Conversions

Conversions Part 2

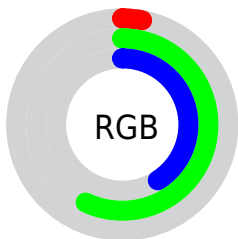
Format	Color
RYB	8, 89, 145
Decimal	561512
CIELab	53.28, -42.85, 12.73
CIELCh	53, 44.703, 163.450
Yxy	21.3019, 0.2516, 0.4213
Android (android.graphics.Color)	4278751592 (0xFF089168)
YUV	99.3630, 2.2860, -80.1254
Hunter-Lab	46.1540, -31.5693, 11.0617

Details

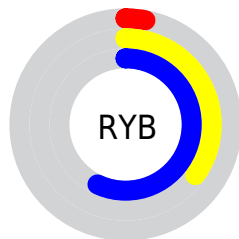
The Yxy color **21.3019, 0.2516, 0.4213** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.4069, 0.5551, 0.2889**, and the grayscale version is **12.5581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6535, 0.2661, 0.3995**, and **8.1241, 0.2589, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **21.2070, 0.2520, 0.4272**, and if you desaturate by 10%, it is **21.5162, 0.2515, 0.4103**.

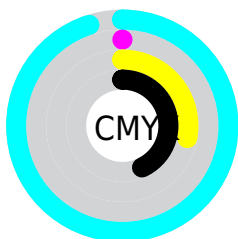
Distribution



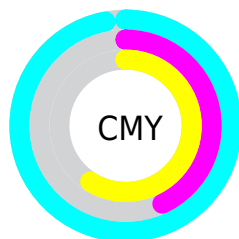
- Red (3%)
- Green (57%)
- Blue (41%)



- Red (3%)
- Yellow (35%)
- Blue (57%)



- Cyan (95%)
- Magenta (0%)
- Yellow (28%)
- Black (43%)





- Cyan (97%)
- Magenta (43%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3019, 0.2516, 0.4213 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 21.3019, 0.2516, 0.4213 by changing the saturation by 10% instead.


 21.3019, 0.2516,
0.4213


 21.3019, 0.2516,
0.4213


258.8786, 0.2872,
0.3666


 13.3449, 0.2405,
0.4389


 45.5894, 0.2660,
0.3988


 7.6664, 0.2246,
0.4646


 62.6887, 0.2710,
0.3912


 3.8823, 0.2001,
0.5053

 83.6042, 0.2750,
0.3851

 1.6079, 0.1315,
0.6024

 108.7203, 0.2783,
0.3801

 0.3629, 0.0000,
1.0000

 138.4214, 0.2810,
0.3759

 0.0000, 0.0000,
0.0000

 173.0919, 0.2834,

0.3723

213.1162, 0.2854,
0.3693

■ 21.3019, 0.2516,
0.4213

■ 21.3019, 0.2516,
0.4213

■ 21.2070, 0.2520,
0.4272

■ 21.5162, 0.2515,
0.4103

■ 21.8260, 0.2531,
0.3992

■ 22.2467, 0.2567,
0.3882

■ 22.7899, 0.2621,
0.3775

■ 23.4652, 0.2691,
0.3672

■ 24.2818, 0.2774,
0.3574

■ 25.2477, 0.2868,
0.3483

■ 26.3703, 0.2969,
0.3400

■ 27.6567, 0.3076,
0.3323

Harmonies

Analogous

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



21.3019, 0.3257, 0.4747



21.3019, 0.2516, 0.4213



21.3019, 0.1982, 0.3343

Triad

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



21.3019, 0.2516, 0.4213



21.3019, 0.2187, 0.2076



21.3019, 0.4725, 0.3648

Complementary

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



21.3019, 0.2516, 0.4213



6.4069, 0.5551, 0.2889

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.



21.3019, 0.4387, 0.3070



21.3019, 0.2516, 0.4213



21.3019, 0.2825, 0.2215

Square

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



21.3019, 0.2516, 0.4213



21.3019, 0.1827, 0.2190



21.3019, 0.3647, 0.2566



21.3019, 0.4556, 0.4229

Rectangle

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



21.3019, 0.2516, 0.4213



21.3019, 0.1795, 0.2818



21.3019, 0.3647, 0.2566



21.3019, 0.4670, 0.3451

Sweetspot

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



21.3027, 0.2516, 0.4213



44.5032, 0.2830, 0.3518



20.9206, 0.3174, 0.5810



9.7530, 0.2794, 0.3553



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.



21.3027, 0.2516, 0.4213



37.9418, 0.2526, 0.4294



14.9446, 0.2091, 0.2686



6.0893, 0.3028, 0.3357



18.1923, 0.2518, 0.4265



0.1778, 0.2378, 0.3762

Inverse Universe

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



6.4069, 0.5551, 0.2889



11.0694, 0.5771, 0.2953



7.2489, 0.5999, 0.3528



5.4489, 0.3238, 0.3225



5.3190, 0.5704, 0.2916



0.0544, 0.4646, 0.2333

Previews

White Background



This preview shows how the Yxy color 21.3019, 0.2516, 0.4213 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 21.3019, 0.2516, 0.4213 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 21.3019, 0.2516, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 21.3019, 0.2516, 0.4213.



This preview shows how white text looks on a background with the Yxy color 21.3019, 0.2516, 0.4213.

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

21.3019, 0.2516, 0.4213

Protanopia

20.8988, 0.3598, 0.3852

Deuteranopia

21.0429, 0.3576, 0.3516



Tritanopia

21.2956, 0.2300, 0.3070

Trichromacy



Original Color

21.3019, 0.2516, 0.4213



Protanomaly

19.7807, 0.2997, 0.4029



Deuteranomaly

19.4597, 0.2972, 0.3766



Tritanomaly

21.0665, 0.2360, 0.3456

Monochromacy



Original Color

21.3019, 0.2516, 0.4213



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

14.5886, 0.2711, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3019, 0.2516, 0.4213 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(8, 145, 104)` looks like.

```
.text, #text, p{  
    color:rgb(8, 145, 104)  
}
```

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(8, 145, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 145, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.3019, 0.2516, 0.4213 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(8, 145, 104) }
```

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

```
.border{ border-color:rgb(8, 145, 104) }
```

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

Here you see how a box with a 4 pixel rgb(8, 145, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 145, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 145, 104);  
box-shadow:4px 4px 4px 4px rgb(8, 145,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3019, 0.2516, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 145, 104) }
```

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

```
.background{ background-color: rgb(8, 145,  
104) }
```

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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