

Converting Colors

$Y_{xy}(21.3789, 0.2765, 0.4888)$

Have a look what the booklet for
Yxy(21.3789, 0.2765, 0.4888)
contains.

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Color

Yxy(21.3408, 0.2763, 0.4878)

Conversions

Conversions Part 1

Format	Color
Hex	1D924C
RGB	29, 146, 76
RGB Percent	11%, 57%, 30%
CMY	0.8867, 0.4274, 0.7019
CMYK	0.80, 0.00, 0.48, 0.43
HSL	144°, 67%, 34%
HSV	144°, 80%, 57%
XYZ	12.0879, 21.3408, 10.3204
YIQ	103.0370, -47.2620, -46.5740

Conversions

Conversions Part 2

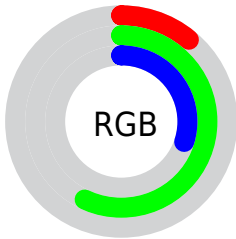
Format	Color
R _Y B	29, 112, 146
Decimal	1937996
CIE Lab	53.32, -47.35, 28.33
CIE LCh	53, 55.179, 149.109
Yxy	21.3408, 0.2763, 0.4878
Android (android.graphics.Color)	4280128076 (0xFF1D924C)
YUV	103.0370, -13.3292, -64.9304
Hunter-Lab	46.1961, -34.1361, 19.0916

Details

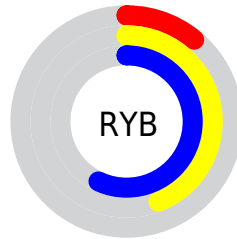
The Yxy color **21.3408, 0.2763, 0.4878** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **7.8838, 0.4159, 0.2255**, and the grayscale version is **13.6113, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.6593, 0.2871, 0.4479**, and **8.0941, 0.2850, 0.5461** is the 20% darker color. If you saturate the color by 10%, you get **21.0645, 0.2777, 0.5092**, and if you desaturate by 10%, it is **21.7361, 0.2767, 0.4653**.

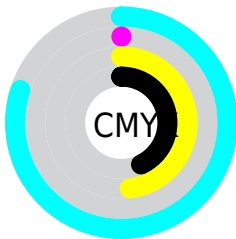
Distribution



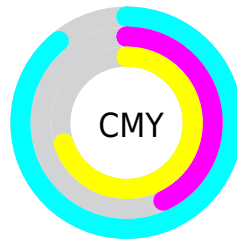
- Red (11%)
- Green (57%)
- Blue (30%)



- Red (11%)
- Yellow (44%)
- Blue (57%)



- Cyan (80%)
- Magenta (0%)
- Yellow (48%)
- Black (43%)





- Cyan (89%)
- Magenta (43%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3408, 0.2763, 0.4878 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 21.3408, 0.2763, 0.4878 by changing the saturation by 10% instead.


 21.3408, 0.2763,
0.4878


 21.3408, 0.2763,
0.4878


259.0841, 0.3005,
0.3918


 13.3733, 0.2670,
0.5193


 45.6540, 0.2871,
0.4479


 7.6861, 0.2523,
0.5652


 62.7686, 0.2905,
0.4345

 3.8948, 0.2267,
0.6374

 83.7010, 0.2932,
0.4238

 1.6149, 0.1320,
0.8680

 108.8356, 0.2952,
0.4150

 0.3676, 0.0000,
1.0000

 138.5568, 0.2969,
0.4077

 0.0000, 0.0000,
0.0000

 173.2491, 0.2983,

0.4016

213.2967, 0.2995,
0.3963

■ 21.3408, 0.2763,
0.4878

■ 21.3408, 0.2763,
0.4878

■ 21.0645, 0.2777,
0.5092

■ 21.7361, 0.2767,
0.4653

■ 20.8732, 0.2802,
0.5286

■ 22.2609, 0.2788,
0.4425

■ 22.9277, 0.2824,
0.4201

■ 23.7463, 0.2872,
0.3988

■ 24.7261, 0.2929,
0.3789

■ 25.8754, 0.2992,
0.3606

■ 27.2019, 0.3058,
0.3441

■ 28.7131, 0.3126,
0.3293

■ 30.4158, 0.3193,
0.3162

Harmonies

Analogous

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



21.3408, 0.3679, 0.5134



21.3408, 0.2763, 0.4878



21.3408, 0.1996, 0.3875

Triad

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



21.3408, 0.2763, 0.4878



21.3408, 0.1764, 0.1872



21.3408, 0.4969, 0.3337

Complementary

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



21.3408, 0.2763, 0.4878



7.8838, 0.4159, 0.2255

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.



21.3408, 0.4279, 0.2708



21.3408, 0.2763, 0.4878



21.3408, 0.2348, 0.1909

Square

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



21.3408, 0.2763, 0.4878



21.3408, 0.1510, 0.2142



21.3408, 0.3256, 0.2203



21.3408, 0.5015, 0.4021

Rectangle

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



21.3408, 0.2763, 0.4878



21.3408, 0.1673, 0.3129



21.3408, 0.3256, 0.2203



21.3408, 0.4803, 0.3119

Sweetspot

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



21.3417, 0.2763, 0.4878



44.7383, 0.2965, 0.3682



23.3100, 0.3576, 0.5322



9.8107, 0.2945, 0.3741



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.



21.3417, 0.2763, 0.4878



36.9005, 0.2799, 0.5245



22.5493, 0.2365, 0.3530



6.5048, 0.3065, 0.3425



18.3706, 0.2799, 0.5277



0.2304, 0.2567, 0.4440

Inverse Universe

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



7.8838, 0.4159, 0.2255



12.2012, 0.4479, 0.2264



7.1424, 0.5613, 0.3160



5.8701, 0.3195, 0.3159



5.9915, 0.4511, 0.2259



0.0792, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 21.3408, 0.2763, 0.4878 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 21.3408, 0.2763, 0.4878 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 21.3408, 0.2763, 0.4878

Background



This preview shows how black text looks on a background with the Yxy color 21.3408, 0.2763, 0.4878.



This preview shows how white text looks on a background with the Yxy color 21.3408, 0.2763, 0.4878.

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

21.3408, 0.2763, 0.4878

Protanopia

21.0974, 0.3934, 0.4297

Deuteranopia

20.9593, 0.4007, 0.3942



Tritanopia

21.3390, 0.2366, 0.3072

Trichromacy



Original Color

21.3408, 0.2763, 0.4878



Protanomaly

20.1707, 0.3354, 0.4558



Deuteranomaly

19.6703, 0.3388, 0.4301



Tritanomaly

21.1079, 0.2503, 0.3694

Monochromacy



Original Color

21.3408, 0.2763, 0.4878



Achromatopsia

13.5633, 0.3127, 0.3290



Achromatomaly

15.5205, 0.2902, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3408, 0.2763, 0.4878 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(29, 146, 76)` looks like.

```
.text, #text, p{  
    color:rgb(29, 146, 76)  
}
```

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(29, 146, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 146, 76) }
```

Border

The CSS property to change the border of an element to Yxy 21.3408, 0.2763, 0.4878 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(29, 146, 76) }
```

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

```
.border{ border-color:rgb(29, 146, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 146, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 146, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 146, 76);  
box-shadow:4px 4px 4px 4px rgb(29, 146,  
76) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.3408, 0.2763, 0.4878$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 146, 76) }
```

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

```
.background{ background-color: rgb(29, 146,  
76) }
```

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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