

Converting Colors

$Y_{xy}(21.6596, 0.2768, 0.4620)$

Have a look what the booklet for
Yxy(21.6596, 0.2768, 0.4620)
contains.

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Color

Yxy(21.7875, 0.2766, 0.4621)

Conversions

Conversions Part 1

Format	Color
Hex	2D9256
RGB	45, 146, 86
RGB Percent	18%, 57%, 34%
CMY	0.8234, 0.4274, 0.6628
CMYK	0.69, 0.00, 0.41, 0.43
HSL	144°, 53%, 37%
HSV	144°, 69%, 57%
XYZ	13.0414, 21.7875, 12.3200
YIQ	108.9610, -40.9360, -40.0720

Conversions

Conversions Part 2

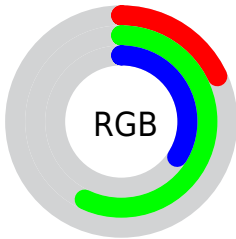
Format	Color
R_{YB}	45, 117, 146
Decimal	2986582
CIE _{Lab}	53.80, -42.98, 23.61
CIE _{LCh}	54, 49.036, 151.215
Yxy	21.7875, 0.2766, 0.4621
Android (android.graphics.Color)	4281176662 (0xFF2D9256)
YUV	108.9610, -11.3198, -56.0938
Hunter-Lab	46.6771, -31.8127, 17.0249

Details

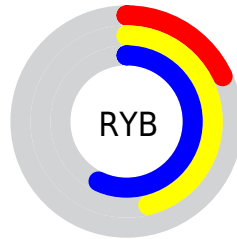
The Yxy color **21.7875, 0.2766, 0.4621** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.0109, 0.3969, 0.2331**, and the grayscale version is **15.3251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4939, 0.2870, 0.4298**, and **8.1519, 0.2768, 0.5165** is the 20% darker color. If you saturate the color by 10%, you get **21.3809, 0.2760, 0.4846**, and if you desaturate by 10%, it is **22.3275, 0.2789, 0.4394**.

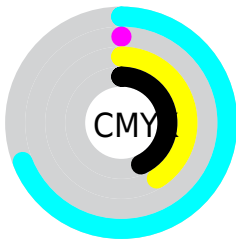
Distribution



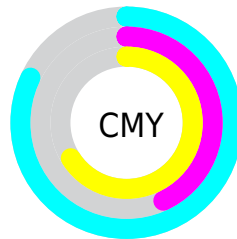
- Red (18%)
- Green (57%)
- Blue (34%)



- Red (18%)
- Yellow (46%)
- Blue (57%)



- Cyan (69%)
- Magenta (0%)
- Yellow (41%)
- Black (43%)





- Cyan (82%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.7875, 0.2766, 0.4621 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 21.7875, 0.2766, 0.4621 by changing the saturation by 10% instead.


 21.7875, 0.2766,
0.4621


 21.7875, 0.2766,
0.4621


261.4345, 0.2995,
0.3823


 13.7008, 0.2684,
0.4881


 46.3945, 0.2865,
0.4291


 7.9129, 0.2558,
0.5260


 63.6837, 0.2897,
0.4180


 4.0393, 0.2344,
0.5857

 84.8091, 0.2922,
0.4091

 1.6955, 0.1909,
0.8031

 110.1553, 0.2943,
0.4018

 0.4208, 0.0000,
1.0000

 140.1065, 0.2959,
0.3957

 0.0000, 0.0000,
0.0000

 175.0472, 0.2973,

0.3906

215.3617, 0.2985,
0.3861

■ 21.7875, 0.2766,
0.4621

■ 21.7875, 0.2766,
0.4621

■ 21.3809, 0.2760,
0.4846

■ 22.3275, 0.2789,
0.4394

■ 21.0919, 0.2772,
0.5061

■ 23.0093, 0.2827,
0.4173

■ 20.8918, 0.2797,
0.5260

■ 23.8439, 0.2876,
0.3962

■ 20.8762, 0.2799,
0.5276

■ 24.8403, 0.2934,
0.3766

■ 26.0068, 0.2998,
0.3586

■ 27.3512, 0.3065,
0.3424

■ 28.8807, 0.3133,
0.3278

■ 30.6021, 0.3201,
0.3150

■ 32.5220, 0.3267,
0.3036

Harmonies

Analogous

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



21.7875, 0.3592, 0.4925



21.7875, 0.2766, 0.4621



21.7875, 0.2084, 0.3739

Triad

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



21.7875, 0.2766, 0.4621



21.7875, 0.1922, 0.2002



21.7875, 0.4781, 0.3401

Complementary

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



21.7875, 0.2766, 0.4621



9.0109, 0.3969, 0.2331

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.



21.7875, 0.4204, 0.2812



21.7875, 0.2766, 0.4621



21.7875, 0.2483, 0.2048

Square

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



21.7875, 0.2766, 0.4621



21.7875, 0.1666, 0.2239



21.7875, 0.3313, 0.2335



21.7875, 0.4804, 0.4030

Rectangle

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



21.7875, 0.2766, 0.4621



21.7875, 0.1798, 0.3101



21.7875, 0.3313, 0.2335



21.7875, 0.4645, 0.3197

Sweetspot

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



21.7884, 0.2766, 0.4621



45.3847, 0.2983, 0.3625



23.7883, 0.3570, 0.5100



9.9825, 0.2967, 0.3668



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.



21.7884, 0.2766, 0.4621



37.4121, 0.2764, 0.4966



22.8915, 0.2411, 0.3493



6.5051, 0.3064, 0.3424



18.3752, 0.2796, 0.5267



0.2305, 0.2564, 0.4431

Inverse Universe

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



9.0109, 0.3969, 0.2331



13.3026, 0.4251, 0.2249



8.2673, 0.5134, 0.3147



5.8698, 0.3195, 0.3159



5.9845, 0.4524, 0.2266



0.0791, 0.3823, 0.1880

Previews

White Background



This preview shows how the Yxy color 21.7875, 0.2766, 0.4621 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 21.7875, 0.2766, 0.4621 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 21.7875, 0.2766, 0.4621

Background



This preview shows how black text looks on a background with the Yxy color 21.7875, 0.2766, 0.4621.



This preview shows how white text looks on a background with the Yxy color 21.7875, 0.2766, 0.4621.

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

21.7875, 0.2766, 0.4621

Protanopia

21.4918, 0.3820, 0.4151

Deuteranopia

21.3672, 0.3879, 0.3795



Tritanopia

21.8962, 0.2405, 0.3075

Trichromacy



Original Color

21.7875, 0.2766, 0.4621

Protanomaly

20.9404, 0.3327, 0.4350

Deuteranomaly

20.4815, 0.3355, 0.4097

Tritanomaly

21.8390, 0.2532, 0.3598

Monochromacy



Original Color

21.7875, 0.2766, 0.4621

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.8371, 0.2931, 0.3754

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7875, 0.2766, 0.4621 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(45, 146, 86)` looks like.

```
.text, #text, p{  
    color:rgb(45, 146, 86)  
}
```

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(45, 146, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 146, 86) }
```

Border

The CSS property to change the border of an element to Yxy 21.7875, 0.2766, 0.4621 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(45, 146, 86) }
```

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

```
.border{ border-color:rgb(45, 146, 86) }
```

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

Here you see how a box with a 4 pixel rgb(45, 146, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 146, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 146, 86);  
box-shadow:4px 4px 4px 4px rgb(45, 146,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7875, 0.2766, 0.4621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 146, 86) }
```

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

```
.background{ background-color: rgb(45, 146,  
86) }
```

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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