

Converting Colors

$Yxy(21.5033, 0.2919, 0.4519)$

Have a look what the booklet for
Yxy(21.5033, 0.2919, 0.4519)
contains.

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Color

Yxy(21.5820, 0.2921, 0.4518)

Conversions

Conversions Part 1

Format	Color
Hex	458F56
RGB	69, 143, 86
RGB Percent	27%, 56%, 34%
CMY	0.7296, 0.4392, 0.6628
CMYK	0.52, 0.00, 0.40, 0.44
HSL	134°, 35%, 42%
HSV	134°, 52%, 56%
XYZ	13.9533, 21.5820, 12.2336
YIQ	114.3760, -25.8070, -33.4150

Conversions

Conversions Part 2

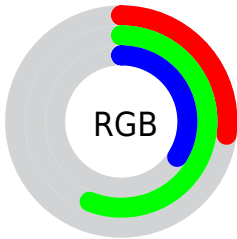
Format	Color
R _{YB}	69, 129, 143
Decimal	4558678
CIE Lab	53.58, -36.15, 23.46
CIE LCh	54, 43.097, 147.021
Yxy	21.5820, 0.2921, 0.4518
Android (android.graphics.Color)	4282748758 (0xFF458F56)
YUV	114.3760, -13.9894, -39.7948
Hunter-Lab	46.4564, -27.6858, 16.9063

Details

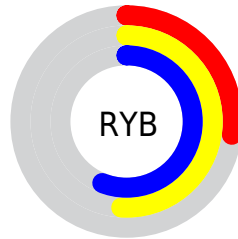
The Yxy color **21.5820, 0.2921, 0.4518** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.5951, 0.3453, 0.2325**, and the grayscale version is **16.9911, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8477, 0.2984, 0.4217**, and **7.8462, 0.2778, 0.5086** is the 20% darker color. If you saturate the color by 10%, you get **20.9579, 0.2899, 0.4802**, and if you desaturate by 10%, it is **22.3612, 0.2952, 0.4240**.

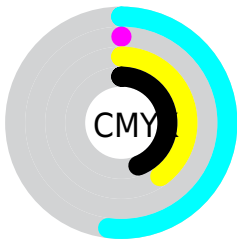
Distribution



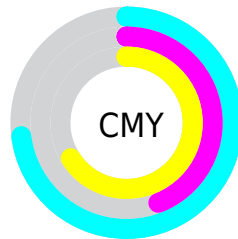
- Red (27%)
- Green (56%)
- Blue (34%)



- Red (27%)
- Yellow (51%)
- Blue (56%)



- Cyan (52%)
- Magenta (0%)
- Yellow (40%)
- Black (44%)




- Cyan (73%)
- Magenta (44%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5820, 0.2921, 0.4518 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 21.5820, 0.2921, 0.4518 by changing the saturation by 10% instead.


 21.5820, 0.2921,
0.4518


 21.5820, 0.2921,
0.4518


260.3555, 0.3060,
0.3785


 13.5501, 0.2867,
0.4755


 46.0542, 0.2984,
0.4216

 7.8084, 0.2780,
0.5099


 63.2632, 0.3003,
0.4114


 3.9726, 0.2624,
0.5640

 84.3000, 0.3018,
0.4032

 1.6582, 0.2479,
0.7521

 109.5491, 0.3030,
0.3965

 0.3964, 0.0000,
1.0000

 139.3948, 0.3040,
0.3909

 0.0000, 0.0000,
0.0000

174.2215, 0.3048,

0.3862

214.4136, 0.3054,
0.3821

■ 21.5820, 0.2921,
0.4518

■ 21.5820, 0.2921,
0.4518

■ 20.9579, 0.2899,
0.4802

■ 22.3612, 0.2952,
0.4240

■ 20.4758, 0.2888,
0.5081

■ 23.3024, 0.2990,
0.3977

■ 20.1248, 0.2890,
0.5339

■ 24.4150, 0.3032,
0.3735

■ 19.8911, 0.2905,
0.5562

■ 25.7073, 0.3076,
0.3517

■ 19.7573, 0.2921,
0.5715

■ 27.1867, 0.3119,
0.3322

■ 28.8603, 0.3162,
0.3151

■ 30.7349, 0.3204,
0.3001

■ 32.8168, 0.3243,
0.2870

■ 35.1124, 0.3280,
0.2756

Harmonies

Analogous

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



21.5820, 0.3664, 0.4720



21.5820, 0.2921, 0.4518



21.5820, 0.2274, 0.3808

Triad

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



21.5820, 0.2921, 0.4518



21.5820, 0.1994, 0.2146



21.5820, 0.4544, 0.3331

Complementary

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



21.5820, 0.2921, 0.4518



11.5951, 0.3453, 0.2325

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.



21.5820, 0.3978, 0.2799



21.5820, 0.2921, 0.4518



21.5820, 0.2469, 0.2149

Square

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



21.5820, 0.2921, 0.4518



21.5820, 0.1796, 0.2413



21.5820, 0.3186, 0.2382



21.5820, 0.4649, 0.3902

Rectangle

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



21.5820, 0.2921, 0.4518



21.5820, 0.1981, 0.3247



21.5820, 0.3186, 0.2382



21.5820, 0.4400, 0.3146

Sweetspot

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



21.5829, 0.2921, 0.4518



44.9379, 0.3056, 0.3613



24.5860, 0.3667, 0.4590



10.2091, 0.3048, 0.3653



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.



21.5829, 0.2921, 0.4518



37.3796, 0.2896, 0.4845



22.3168, 0.2631, 0.3719



6.0485, 0.3087, 0.3464



17.4694, 0.2919, 0.5707



0.1699, 0.2717, 0.4982

Inverse Universe

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



11.5951, 0.3453, 0.2325



17.4543, 0.3551, 0.2150



10.8269, 0.4127, 0.2921



5.4901, 0.3170, 0.3122



6.1635, 0.3873, 0.1907



0.0623, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 21.5820, 0.2921, 0.4518 looks on a white background.

Color Contrast Check

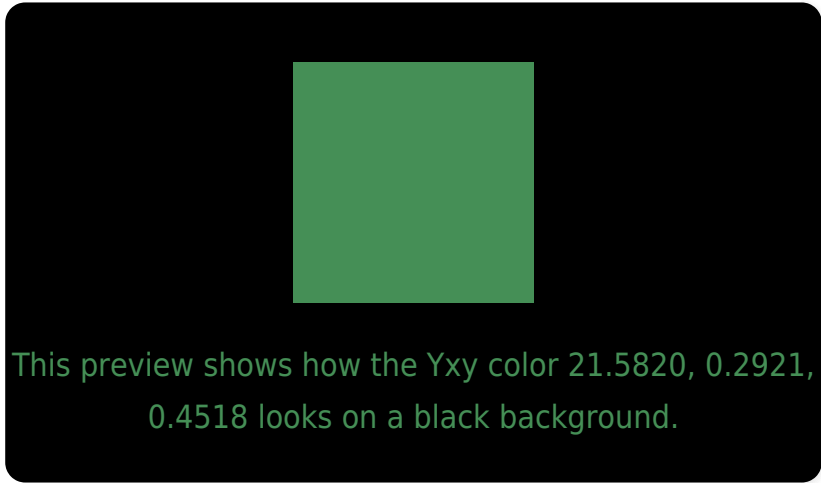
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

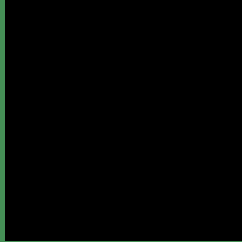
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.5820, 0.2921, 0.4518

Background



This preview shows how black text looks on a background with the Yxy color 21.5820, 0.2921, 0.4518.



This preview shows how white text looks on a background with the Yxy color 21.5820, 0.2921, 0.4518.

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

21.5820, 0.2921, 0.4518

Protanopia

21.2469, 0.3816, 0.4119

Deuteranopia

21.2537, 0.3878, 0.3814



Tritanopia

21.5997, 0.2526, 0.3078

Trichromacy



Original Color

21.5820, 0.2921, 0.4518

Protanomaly

20.9617, 0.3442, 0.4282

Deuteranomaly

20.7515, 0.3468, 0.4073

Tritanomaly

21.6082, 0.2671, 0.3572

Monochromacy



Original Color

21.5820, 0.2921, 0.4518

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

18.2634, 0.3036, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5820, 0.2921, 0.4518 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(69, 143, 86)` looks like.

```
.text, #text, p{  
    color:rgb(69, 143, 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(69, 143, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 143, 86) }
```

Border

The CSS property to change the border of an element to Yxy 21.5820, 0.2921, 0.4518 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(69, 143, 86) }
```

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

```
.border{ border-color:rgb(69, 143, 86) }
```

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

Here you see how a box with a 4 pixel rgb(69, 143, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 143, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 143, 86);  
box-shadow:4px 4px 4px 4px rgb(69, 143,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5820, 0.2921, 0.4518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 143, 86) }
```

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

```
.background{ background-color: rgb(69, 143,  
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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