

Converting Colors

$Y_{xy}(21.8026, 0.2753, 0.4121)$

Have a look what the booklet for
Yxy(21.8026, 0.2753, 0.4121)
contains.

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Color

Yxy(21.8026, 0.2753, 0.4121)

Conversions

Conversions Part 1

Format	Color
Hex	428F68
RGB	66, 143, 104
RGB Percent	26%, 56%, 41%
CMY	0.7414, 0.4392, 0.5921
CMYK	0.54, 0.00, 0.27, 0.44
HSL	150°, 37%, 41%
HSV	150°, 54%, 56%
XYZ	14.5650, 21.8026, 16.5384
YIQ	115.5310, -33.3730, -28.4530

Conversions

Conversions Part 2

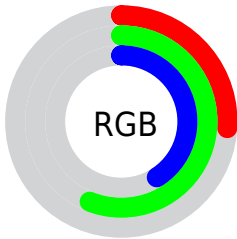
Format	Color
R_{YB}	66, 118, 143
Decimal	4362088
CIE _{Lab}	53.82, -33.37, 13.66
CIE _{LCh}	54, 36.060, 157.734
Yxy	21.8026, 0.2753, 0.4121
Android (android.graphics.Color)	4282552168 (0xFF428F68)
YUV	115.5310, -5.6848, -43.4387
Hunter-Lab	46.6933, -26.0336, 11.6851

Details

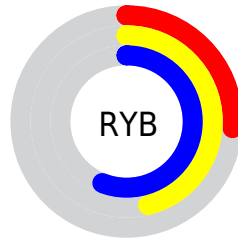
The Yxy color **21.8026, 0.2753, 0.4121** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.7488, 0.3844, 0.2611**, and the grayscale version is **17.3356, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2921, 0.2848, 0.3920**, and **7.9497, 0.2582, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **21.2270, 0.2715, 0.4311**, and if you desaturate by 10%, it is **22.5168, 0.2805, 0.3939**.

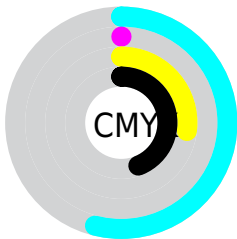
Distribution



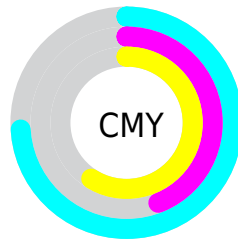
- Red (26%)
- Green (56%)
- Blue (41%)



- Red (26%)
- Yellow (46%)
- Blue (56%)



- Cyan (54%)
- Magenta (0%)
- Yellow (27%)
- Black (44%)




- Cyan (74%)
- Magenta (44%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8026, 0.2753, 0.4121 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 21.8026, 0.2753, 0.4121 by changing the saturation by 10% instead.


 21.8026, 0.2753,
0.4121


 21.8026, 0.2753,
0.4121


261.5137, 0.2974,
0.3632


 13.7119, 0.2682,
0.4277


 46.4195, 0.2844,
0.3921


 7.9206, 0.2579,
0.4504


 63.7146, 0.2874,
0.3853

 4.0442, 0.2416,
0.4863

 84.8465, 0.2899,
0.3798

 1.6983, 0.2097,
0.5572

 110.1997, 0.2919,
0.3753

 0.4226, 0.0000,
1.0000

 140.1587, 0.2936,
0.3715

 0.0000, 0.0000,
0.0000

175.1077, 0.2951,

0.3683

215.4313, 0.2963,
0.3655

■ 21.8026, 0.2753,
0.4121

■ 21.8026, 0.2753,
0.4121

■ 21.2270, 0.2715,
0.4311

■ 22.5168, 0.2805,
0.3939

■ 20.7775, 0.2694,
0.4505

■ 23.3757, 0.2869,
0.3768

■ 20.4440, 0.2691,
0.4697

■ 24.3881, 0.2940,
0.3610

■ 20.2128, 0.2707,
0.4883

■ 25.5616, 0.3016,
0.3466

■ 20.0979, 0.2720,
0.4993

■ 26.9030, 0.3096,
0.3337

■ 28.4188, 0.3176,
0.3221

■ 30.1153, 0.3256,
0.3118

■ 31.9982, 0.3334,
0.3027

■ 34.0732, 0.3410,
0.2948

Harmonies

Analogous

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



21.8026, 0.3376, 0.4464



21.8026, 0.2753, 0.4121



21.8026, 0.2262, 0.3477

Triad

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



21.8026, 0.2753, 0.4121



21.8026, 0.2281, 0.2287



21.8026, 0.4391, 0.3521

Complementary

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



21.8026, 0.2753, 0.4121



10.7488, 0.3844, 0.2611

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.



21.8026, 0.4041, 0.3037



21.8026, 0.2753, 0.4121



21.8026, 0.2775, 0.2361

Square

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



21.8026, 0.2753, 0.4121



21.8026, 0.2019, 0.2442



21.8026, 0.3423, 0.2627



21.8026, 0.4349, 0.4005

Rectangle

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



21.8026, 0.2753, 0.4121



21.8026, 0.2064, 0.3040



21.8026, 0.3423, 0.2627



21.8026, 0.4316, 0.3356

Sweetspot

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



21.8035, 0.2753, 0.4121



45.2287, 0.2997, 0.3500



23.0898, 0.3445, 0.4758



10.2820, 0.2983, 0.3526



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.



21.8035, 0.2753, 0.4121



37.7885, 0.2708, 0.4359



22.7486, 0.2466, 0.3313



6.0710, 0.3054, 0.3404



17.7721, 0.2718, 0.4985



0.1743, 0.2501, 0.4204

Inverse Universe

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



10.7488, 0.3844, 0.2611



15.7725, 0.4104, 0.2492



10.1380, 0.4614, 0.3272



5.4668, 0.3208, 0.3179



5.5856, 0.4881, 0.2462



0.0578, 0.4020, 0.1988

Previews

White Background



This preview shows how the Yxy color 21.8026, 0.2753, 0.4121 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 21.8026, 0.2753, 0.4121 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 21.8026, 0.2753, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 21.8026, 0.2753, 0.4121.



This preview shows how white text looks on a background with the Yxy color 21.8026, 0.2753, 0.4121.

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

21.8026, 0.2753, 0.4121

Protanopia

21.6198, 0.3591, 0.3845

Deuteranopia

21.4517, 0.3610, 0.3549



Tritanopia

21.6917, 0.2485, 0.3077

Trichromacy



Original Color

21.8026, 0.2753, 0.4121

Protanomaly

21.0747, 0.3221, 0.3937

Deuteranomaly

20.8784, 0.3235, 0.3730

Tritanomaly

21.5870, 0.2577, 0.3429

Monochromacy



Original Color

21.8026, 0.2753, 0.4121

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.6882, 0.2953, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8026, 0.2753, 0.4121 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(66, 143, 104)` looks like.

```
.text, #text, p{  
    color:rgb(66, 143, 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(66, 143, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 143, 104) }
```

Border

The CSS property to change the border of an element to Yxy 21.8026, 0.2753, 0.4121 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(66, 143, 104) }
```

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

```
.border{ border-color:rgb(66, 143, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 143, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 143, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 143, 104);  
box-shadow:4px 4px 4px 4px rgb(66, 143,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8026, 0.2753, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 143, 104) }
```

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

```
.background{ background-color: rgb(66, 143,  
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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