

Converting Colors

$Y_{xy}(22.0826, 0.2979, 0.4215)$

Have a look what the booklet for
Yxy(22.0826, 0.2979, 0.4215)
contains.

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Color

Yxy(22.1875, 0.2978, 0.4216)

Conversions

Conversions Part 1

Format	Color
Hex	568E61
RGB	86, 142, 97
RGB Percent	34%, 56%, 38%
CMY	0.6625, 0.4432, 0.6196
CMYK	0.39, 0.00, 0.32, 0.44
HSL	132°, 25%, 45%
HSV	132°, 39%, 56%
XYZ	15.6723, 22.1875, 14.7671
YIQ	120.1260, -18.9310, -25.8670

Conversions

Conversions Part 2

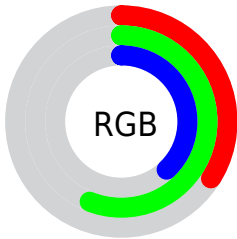
Format	Color
RYB	86, 133, 142
Decimal	5672545
CIELab	54.23, -28.52, 18.32
CIElCh	54, 33.895, 147.279
Yxy	22.1875, 0.2978, 0.4216
Android (android.graphics.Color)	4283862625 (0xFF568E61)
YUV	120.1260, -11.4011, -29.9285
Hunter-Lab	47.1036, -23.0409, 14.3850

Details

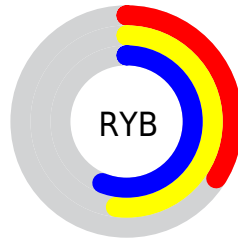
The Yxy color $22.1875, 0.2978, 0.4216$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.0544, 0.3327, 0.2516$, and the grayscale version is $18.8708, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.0212, 0.3019, 0.3991$, and $8.0875, 0.2892, 0.4636$ is the 20% darker color. If you saturate the color by 10%, you get $21.3816, 0.2948, 0.4503$, and if you desaturate by 10%, it is $23.1598, 0.3013, 0.3946$.

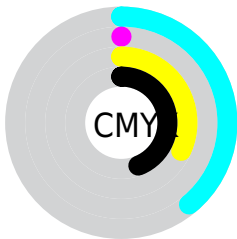
Distribution



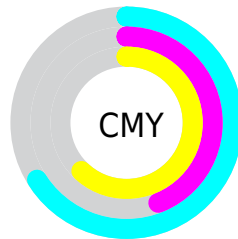
- Red (34%)
- Green (56%)
- Blue (38%)



- Red (34%)
- Yellow (52%)
- Blue (56%)



- Cyan (39%)
- Magenta (0%)
- Yellow (32%)
- Black (44%)



- Cyan (66%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.1875, 0.2978, 0.4216 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 22.1875, 0.2978, 0.4216 by changing the saturation by 10% instead.

■ 22.1875, 0.2978,
0.4216

■ 22.1875, 0.2978,
0.4216

■ 263.5239, 0.3075,
0.3671

■ 13.9947, 0.2942,
0.4389

■ 47.0557, 0.3021,
0.3994

■ 8.1170, 0.2886,
0.4639

■ 64.4999, 0.3034,
0.3918

■ 4.1699, 0.2788,
0.5030

■ 85.7968, 0.3045,
0.3857

■ 1.7691, 0.2666,
0.5890

■ 111.3306, 0.3053,
0.3807

■ 0.4678, 0.0000,
1.0000

■ 141.4858, 0.3060,
0.3765

■ 0.0000, 0.0000,
0.0000

176.6469, 0.3066,

0.3729

217.1981, 0.3071,
0.3698

■ 22.1875, 0.2978,
0.4216

■ 22.1875, 0.2978,
0.4216

■ 21.3816, 0.2948,
0.4503

■ 23.1598, 0.3013,
0.3946

■ 20.7301, 0.2925,
0.4797

■ 24.3044, 0.3051,
0.3699

■ 20.2238, 0.2912,
0.5086

■ 25.6301, 0.3091,
0.3476


■ 19.8511, 0.2911,
0.5354


■ 27.1443, 0.3129,
0.3279

■ 19.5988, 0.2921,
0.5585


■ 28.8541, 0.3167,
0.3105

 19.4359, 0.2938,
0.5768

 30.7661, 0.3203,
0.2954

 19.4271, 0.2938,
0.5778

 32.8866, 0.3237,
0.2822

 35.2219, 0.3268,
0.2708

 37.7776, 0.3298,
0.2609

Harmonies

Analogous

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



22.1875, 0.3570, 0.4399



22.1875, 0.2978, 0.4216



22.1875, 0.2455, 0.3687

Triad

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



22.1875, 0.2978, 0.4216



22.1875, 0.2218, 0.2371



22.1875, 0.4233, 0.3350

Complementary

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



22.1875, 0.2978, 0.4216



14.0544, 0.3327, 0.2516

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.



22.1875, 0.3799, 0.2908



22.1875, 0.2978, 0.4216



22.1875, 0.2614, 0.2367

Square

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



22.1875, 0.2978, 0.4216



22.1875, 0.2051, 0.2603



22.1875, 0.3187, 0.2560



22.1875, 0.4327, 0.3817

Rectangle

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



22.1875, 0.2978, 0.4216



22.1875, 0.2212, 0.3267



22.1875, 0.3187, 0.2560



22.1875, 0.4121, 0.3197

Sweetspot

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



22.1884, 0.2978, 0.4216



44.5001, 0.3079, 0.3537



24.9014, 0.3575, 0.4275



9.8808, 0.3075, 0.3561



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.1884, 0.2978, 0.4216



37.8929, 0.2952, 0.4461



22.7876, 0.2742, 0.3639



6.0456, 0.3091, 0.3472



17.4465, 0.2937, 0.5772



0.1694, 0.2753, 0.5109

Inverse Universe

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



14.0544, 0.3327, 0.2516



21.5266, 0.3384, 0.2355



13.4094, 0.3763, 0.2972



5.4932, 0.3165, 0.3115



6.2608, 0.3760, 0.1845



0.0628, 0.3459, 0.1679

Previews

White Background



This preview shows how the Yxy color 22.1875, 0.2978, 0.4216 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 22.1875, 0.2978, 0.4216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

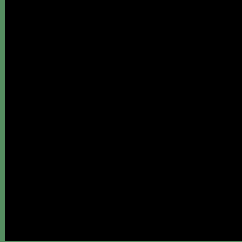
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1875, 0.2978, 0.4216

Background



This preview shows how black text looks on a background with the Yxy color 22.1875, 0.2978, 0.4216.



This preview shows how white text looks on a background with the Yxy color 22.1875, 0.2978, 0.4216.

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

22.1875, 0.2978, 0.4216

Protanopia

21.9448, 0.3680, 0.3962

Deuteranopia

21.9342, 0.3743, 0.3679



Tritanopia

22.2017, 0.2625, 0.3084

Trichromacy



Original Color

22.1875, 0.2978, 0.4216

Protanomaly

21.8336, 0.3399, 0.4067

Deuteranomaly

21.6647, 0.3419, 0.3864

Tritanomaly

22.0372, 0.2746, 0.3465

Monochromacy



Original Color

22.1875, 0.2978, 0.4216

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.7963, 0.3066, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1875, 0.2978, 0.4216 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(86, 142, 97)` looks like.

```
.text, #text, p{  
    color:rgb(86, 142, 97)  
}
```

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(86, 142, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 142, 97) }
```

Border

The CSS property to change the border of an element to Yxy 22.1875, 0.2978, 0.4216 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(86, 142, 97) }
```

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

```
.border{ border-color:rgb(86, 142, 97) }
```

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

Here you see how a box with a 4 pixel rgb(86, 142, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 142, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 142, 97);  
box-shadow:4px 4px 4px 4px rgb(86, 142,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1875, 0.2978, 0.4216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 142, 97) }
```

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

```
.background{ background-color: rgb(86, 142,  
97) }
```

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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