

Converting Colors

$Y_{xy}(21.8817, 0.2616, 0.3407)$

Have a look what the booklet for
Yxy(21.8817, 0.2616, 0.3407)
contains.

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Color

Yxy(21.8642, 0.2614, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	508B85
RGB	80, 139, 133
RGB Percent	31%, 55%, 52%
CMY	0.6863, 0.4549, 0.4783
CMYK	0.42, 0.00, 0.04, 0.45
HSL	174°, 27%, 43%
HSV	174°, 42%, 55%
XYZ	16.7752, 21.8642, 25.5350
YIQ	120.6750, -33.2380, -14.3740

Conversions

Conversions Part 2

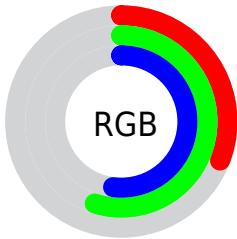
Format	Color
R_{YB}	80, 111, 139
Decimal	5278597
CIE _{Lab}	53.88, -20.75, -2.85
CIE _{LCh}	54, 20.947, 187.815
Y _{xy}	21.8642, 0.2614, 0.3407
Android (android.graphics.Color)	4283468677 (0xFF508B85)
Y _{UV}	120.6750, 6.0762, -35.6720
Hunter-Lab	46.7592, -17.7904, 0.3534

Details

The Yxy color $21.8642, 0.2614, 0.3407$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $11.8966, 0.4064, 0.3182$, and the grayscale version is $18.9985, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.6716, 0.2730, 0.3388$, and $8.0179, 0.2416, 0.3444$ is the 20% darker color. If you saturate the color by 10%, you get $21.2827, 0.2525, 0.3439$, and if you desaturate by 10%, it is $22.5731, 0.2718, 0.3376$.

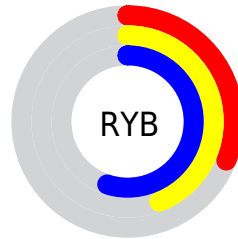
Distribution



Red (31%)

Green (55%)

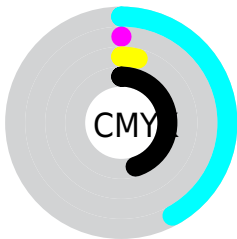
Blue (52%)



Red (31%)

Yellow (44%)

Blue (55%)

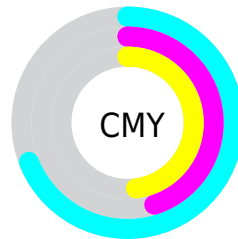


Cyan (42%)

Magenta (0%)

Yellow (4%)

Black (45%)



Cyan (69%)

Magenta (45%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8642, 0.2614, 0.3407 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 21.8642, 0.2614, 0.3407 by changing the saturation by 10% instead.

■ 21.8642, 0.2614,
0.3407

■ 21.8642, 0.2614,
0.3407

■ 261.8363, 0.2900,
0.3344

■ 13.7571, 0.2531,
0.3424

■ 46.5214, 0.2726,
0.3383

■ 7.9520, 0.2416,
0.3446

■ 63.8404, 0.2766,
0.3375

■ 4.0642, 0.2247,
0.3477

■ 84.9989, 0.2798,
0.3367

■ 1.7096, 0.1975,
0.3520

■ 110.3811, 0.2825,
0.3361

■ 0.4298, 0.0000,
0.3918

■ 140.3716, 0.2848,
0.3356

■ 0.0000, 0.0000,
0.0000

175.3547, 0.2868,

0.3352

215.7148, 0.2885,
0.3348

■ 21.8642, 0.2614,
0.3407

■ 21.8642, 0.2614,
0.3407

■ 21.2827, 0.2525,
0.3439

■ 22.5731, 0.2718,
0.3376

■ 20.8183, 0.2452,
0.3472

■ 23.4140, 0.2834,
0.3347

■ 20.4631, 0.2397,
0.3506


■ 24.3942, 0.2960,
0.3320


■ 20.2074, 0.2361,
0.3540


■ 25.5200, 0.3094,
0.3296

■ 20.0395, 0.2341,
0.3573


■ 26.7972, 0.3232,
0.3273

 19.9445, 0.2333,
0.3599

 28.2311, 0.3372,
0.3253

 29.8269, 0.3512,
0.3235

 31.5897, 0.3651,
0.3219

 33.5241, 0.3787,
0.3206

Harmonies

Analogous

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



21.8642, 0.2919, 0.3750



21.8642, 0.2614, 0.3407



21.8642, 0.2448, 0.3051

Triad

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



21.8642, 0.2614, 0.3407



21.8642, 0.2928, 0.2718



21.8642, 0.3847, 0.3745

Complementary

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



21.8642, 0.2614, 0.3407



11.8966, 0.4064, 0.3182

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.



21.8642, 0.3858, 0.3457



21.8642, 0.2614, 0.3407



21.8642, 0.3309, 0.2887

Square

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



21.8642, 0.2614, 0.3407



21.8642, 0.2620, 0.2680



21.8642, 0.3657, 0.3150



21.8642, 0.3635, 0.3935

Rectangle

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



21.8642, 0.2614, 0.3407



21.8642, 0.2430, 0.2863



21.8642, 0.3657, 0.3150



21.8642, 0.3875, 0.3656

Sweetspot

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



21.8651, 0.2614, 0.3407



43.5291, 0.2950, 0.3323



21.0652, 0.3136, 0.4525



9.9456, 0.2924, 0.3328



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.



21.8651, 0.2614, 0.3407



38.1448, 0.2528, 0.3438



16.1481, 0.2493, 0.2823



5.6800, 0.3004, 0.3312



18.0017, 0.2333, 0.3597



0.1208, 0.2287, 0.3431

Inverse Universe

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



11.8966, 0.4064, 0.3182



17.8102, 0.4406, 0.3161



15.6917, 0.3995, 0.3707



5.0563, 0.3265, 0.3268



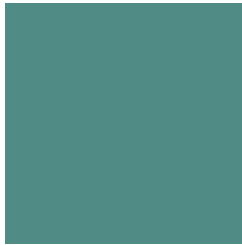
4.9842, 0.6242, 0.3212



0.0340, 0.5621, 0.2870

Previews

White Background



This preview shows how the Yxy color 21.8642, 0.2614, 0.3407 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 21.8642, 0.2614, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

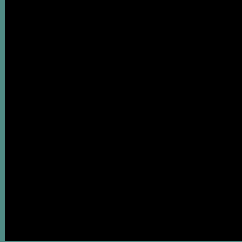
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8642, 0.2614, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 21.8642, 0.2614, 0.3407.



This preview shows how white text looks on a background with the Yxy color 21.8642, 0.2614, 0.3407.

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

21.8642, 0.2614, 0.3407

Protanopia

21.7700, 0.3185, 0.3326

Deuteranopia

21.5112, 0.3149, 0.3083



Tritanopia

21.9143, 0.2522, 0.3079

Trichromacy



Original Color

21.8642, 0.2614, 0.3407

Protanomaly

21.5323, 0.2936, 0.3346

Deuteranomaly

21.1628, 0.2918, 0.3179

Tritanomaly

21.9991, 0.2556, 0.3192

Monochromacy



Original Color

21.8642, 0.2614, 0.3407

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9832, 0.2909, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8642, 0.2614, 0.3407 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(80, 139, 133)` looks like.

```
.text, #text, p{  
    color:rgb(80, 139, 133)  
}
```

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(80, 139, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 139, 133) }
```

Border

The CSS property to change the border of an element to Yxy 21.8642, 0.2614, 0.3407 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(80, 139, 133) }
```

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

```
.border{ border-color:rgb(80, 139, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 139, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 139, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 139, 133);  
box-shadow:4px 4px 4px 4px rgb(80, 139,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8642, 0.2614, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 139, 133) }
```

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

```
.background{ background-color: rgb(80, 139,  
133) }
```

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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