

Converting Colors

$Y_{xy}(21.5656, 0.3138, 0.3858)$

Have a look what the booklet for
Yxy(21.5656, 0.3138, 0.3858)
contains.

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Color

Yxy(21.6198, 0.3134, 0.3856)

Conversions

Conversions Part 1

Format	Color
Hex	6D876A
RGB	109, 135, 106
RGB Percent	43%, 53%, 42%
CMY	0.5725, 0.4706, 0.5844
CMYK	0.19, 0.00, 0.21, 0.47
HSL	114°, 12%, 47%
HSV	114°, 21%, 53%
XYZ	17.5717, 21.6198, 16.8765
YIQ	123.9200, -6.1870, -14.5310

Conversions

Conversions Part 2

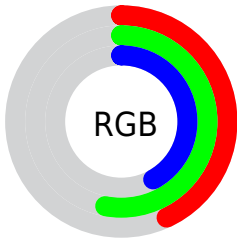
Format	Color
R _Y B	106, 135, 132
Decimal	7178090
CIE Lab	53.62, -15.26, 12.60
CIE LCh	54, 19.789, 140.437
Yxy	21.6198, 0.3134, 0.3856
Android (android.graphics.Color)	4285368170 (0xFF6D876A)
YUV	123.9200, -8.8346, -13.0848
Hunter-Lab	46.4971, -13.9131, 11.0282

Details

The Yxy color $21.6198, 0.3134, 0.3856$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.9567, 0.3111, 0.2771$, and the grayscale version is $20.1597, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.9778, 0.3140, 0.3724$, and $7.8049, 0.3122, 0.4087$ is the 20% darker color. If you saturate the color by 10%, you get $20.6467, 0.3133, 0.4164$, and if you desaturate by 10%, it is $22.7445, 0.3132, 0.3576$.

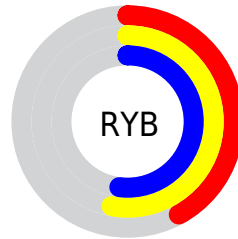
Distribution



Red (43%)

Green (53%)

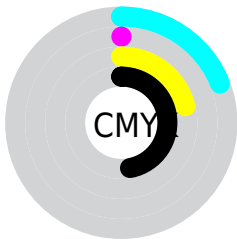
Blue (42%)



Red (42%)

Yellow (53%)

Blue (52%)

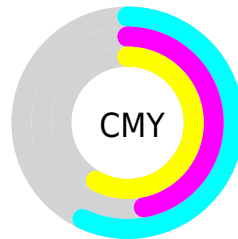


Cyan (19%)

Magenta (0%)

Yellow (21%)

Black (47%)



Cyan (57%)


Magenta (47%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6198, 0.3134, 0.3856 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 21.6198, 0.3134, 0.3856 by changing the saturation by 10% instead.


 21.6198, 0.3134,
0.3856


 21.6198, 0.3134,
0.3856


260.5543, 0.3135,
0.3528


 13.5778, 0.3131,
0.3958


 46.1168, 0.3136,
0.3723

 7.8276, 0.3125,
0.4105


 63.3406, 0.3136,
0.3678

 3.9848, 0.3110,
0.4332

 84.3938, 0.3136,
0.3641

 1.6651, 0.3081,
0.4749

 109.6607, 0.3136,
0.3610

 0.4009, 0.0211,
0.9789

139.5259, 0.3136,
0.3585

 0.0000, 0.0000,
0.0000

174.3736, 0.3135,

0.3563

214.5883, 0.3135,
0.3544

■ 21.6198, 0.3134,
0.3856

■ 21.6198, 0.3134,
0.3856

■ 20.6467, 0.3133,
0.4164

■ 22.7445, 0.3132,
0.3576

■ 19.8161, 0.3130,
0.4492

■ 24.0240, 0.3128,
0.3325

■ 19.1221, 0.3122,
0.4829

■ 25.4648, 0.3123,
0.3104

■ 18.5573, 0.3109,
0.5157

■ 27.0723, 0.3117,
0.2911

■ 18.1137, 0.3091,
0.5454

■ 28.8516, 0.3110,
0.2743

■ 17.7823, 0.3070,
0.5697

■ 30.8077, 0.3104,
0.2597

■ 17.5529, 0.3047,
0.5870

■ 32.9452, 0.3097,
0.2470

■ 17.4230, 0.3033,
0.5974

■ 35.2685, 0.3091,
0.2360

■ 37.7822, 0.3084,
0.2264

Harmonies

Analogous

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



21.6198, 0.3483, 0.3930



21.6198, 0.3134, 0.3856



21.6198, 0.2796, 0.3599

Triad

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



21.6198, 0.3134, 0.3856



21.6198, 0.2533, 0.2755



21.6198, 0.3731, 0.3280

Complementary

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



21.6198, 0.3134, 0.3856



16.9567, 0.3111, 0.2771

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.



21.6198, 0.3449, 0.3004



21.6198, 0.3134, 0.3856



21.6198, 0.2756, 0.2708

Square

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



21.6198, 0.3134, 0.3856



21.6198, 0.2462, 0.2946



21.6198, 0.3088, 0.2800



21.6198, 0.3841, 0.3572

Rectangle

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



21.6198, 0.3134, 0.3856



21.6198, 0.2620, 0.3371



21.6198, 0.3088, 0.2800



21.6198, 0.3653, 0.3183

Sweetspot

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



21.6207, 0.3134, 0.3856



41.9225, 0.3130, 0.3437



22.5903, 0.3449, 0.3748



9.6799, 0.3130, 0.3451



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



21.6207, 0.3134, 0.3856



37.7969, 0.3134, 0.4009



21.6787, 0.2990, 0.3637



5.2263, 0.3131, 0.3513



16.0685, 0.3034, 0.5973



0.0571, 0.3181, 0.5856

Inverse Universe

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



16.9567, 0.3111, 0.2771



27.8300, 0.3106, 0.2645



16.9070, 0.3295, 0.2967



4.7388, 0.3122, 0.3075



5.3596, 0.2955, 0.1402



0.0203, 0.3089, 0.1475

Previews

White Background



This preview shows how the Yxy color 21.6198, 0.3134, 0.3856 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 21.6198, 0.3134, 0.3856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

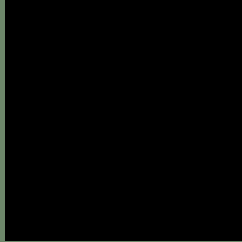
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6198, 0.3134, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 21.6198, 0.3134, 0.3856.



This preview shows how white text looks on a background with the Yxy color 21.6198, 0.3134, 0.3856.

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

21.6198, 0.3134, 0.3856

Protanopia

21.6319, 0.3520, 0.3757

Deuteranopia

21.4517, 0.3610, 0.3549



Tritanopia

21.5332, 0.2849, 0.3089

Trichromacy



Original Color

21.6198, 0.3134, 0.3856

Protanomaly

21.6475, 0.3374, 0.3810

Deuteranomaly

21.2268, 0.3428, 0.3653

Tritanomaly

21.5718, 0.2957, 0.3364

Monochromacy



Original Color

21.6198, 0.3134, 0.3856

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.6446, 0.3141, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6198, 0.3134, 0.3856 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(109, 135, 106)` looks like.

```
.text, #text, p{  
    color:rgb(109, 135, 106)  
}
```

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(109, 135, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 135, 106) }
```

Border

The CSS property to change the border of an element to Yxy 21.6198, 0.3134, 0.3856 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(109, 135, 106) }
```

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

```
.border{ border-color:rgb(109, 135, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 135, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 135, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 135, 106);  
box-shadow:4px 4px 4px 4px rgb(109, 135,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6198, 0.3134, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 135, 106) }
```

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

```
.background{ background-color: rgb(109,  
135, 106) }
```

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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