

Converting Colors

$Y_{xy}(21.3952, 0.3161, 0.3961)$

Have a look what the booklet for
Yxy(21.3952, 0.3161, 0.3961)
contains.

Yxy(21.3933, 0.3162, 0.3961)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.3933, 0.3162, 0.3961)

Conversions

Conversions Part 1

Format	Color
Hex	6B8765
RGB	107, 135, 101
RGB Percent	42%, 53%, 40%
CMY	0.5803, 0.4706, 0.6040
CMYK	0.21, 0.00, 0.25, 0.47
HSL	109°, 14%, 46%
HSV	109°, 25%, 53%
XYZ	17.0779, 21.3933, 15.5386
YIQ	122.7520, -5.7740, -16.5100

Conversions

Conversions Part 2

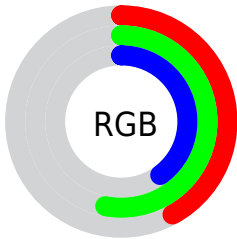
Format	Color
R_{YB}	101, 135, 129
Decimal	7047013
CIE _{Lab}	53.38, -16.90, 15.10
CIE _{LCh}	53, 22.661, 138.214
Yxy	21.3933, 0.3162, 0.3961
Android (android.graphics.Color)	4285237093 (0xFF6B8765)
YUV	122.7520, -10.7237, -13.8145
Hunter-Lab	46.2529, -15.0352, 12.4586

Details

The Yxy color $21.3933, 0.3162, 0.3961$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.7195, 0.3074, 0.2674$, and the grayscale version is $19.7602, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.6044, 0.3161, 0.3798$, and $7.6931, 0.3162, 0.4254$ is the 20% darker color. If you saturate the color by 10%, you get $20.5061, 0.3170, 0.4272$, and if you desaturate by 10%, it is $22.4143, 0.3150, 0.3674$.

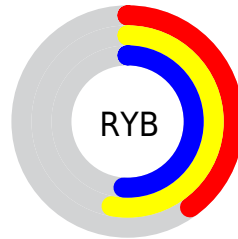
Distribution



Red (42%)

Green (53%)

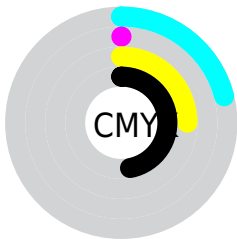
Blue (40%)



Red (40%)

Yellow (53%)

Blue (51%)

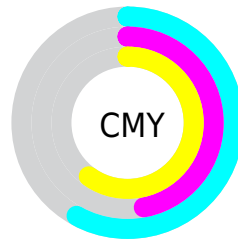


Cyan (21%)

Magenta (0%)

Yellow (25%)

Black (47%)



Cyan (58%)


Magenta (47%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3933, 0.3162, 0.3961 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 21.3933, 0.3162, 0.3961 by changing the saturation by 10% instead.


 21.3933, 0.3162,
0.3961

 21.3933, 0.3162,
0.3961


259.3613, 0.3149,
0.3570


 13.4118, 0.3162,
0.4083


 45.7412, 0.3159,
0.3802


 7.7127, 0.3159,
0.4259


 62.8763, 0.3157,
0.3748

 3.9117, 0.3146,
0.4533

 83.8315, 0.3156,
0.3704

 1.6243, 0.3154,
0.5099

 108.9911, 0.3154,
0.3668

 0.3739, 0.0000,
1.0000

138.7395, 0.3153,
0.3638

 0.0000, 0.0000,
0.0000

173.4610, 0.3151,

0.3612

213.5402, 0.3150,
0.3589

■ 21.3933, 0.3162,
0.3961

■ 21.3933, 0.3162,
0.3961

■ 20.5061, 0.3170,
0.4272

■ 22.4143, 0.3150,
0.3674

■ 19.7444, 0.3174,
0.4598

■ 23.5713, 0.3135,
0.3414

■ 19.1033, 0.3170,
0.4926

■ 24.8703, 0.3119,
0.3182

■ 18.5764, 0.3159,
0.5239

■ 26.3159, 0.3103,
0.2978

■ 18.1569, 0.3139,
0.5514

■ 27.9123, 0.3087,
0.2798

■ 17.8370, 0.3111,
0.5733

■ 29.6639, 0.3071,
0.2641

■ 17.6072, 0.3080,
0.5885

■ 31.5747, 0.3055,
0.2504

■ 17.5211, 0.3068,
0.5946

■ 33.6486, 0.3041,
0.2385

■ 35.8895, 0.3027,
0.2280

Harmonies

Analogous

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



21.3933, 0.3559, 0.4024



21.3933, 0.3162, 0.3961



21.3933, 0.2771, 0.3674

Triad

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



21.3933, 0.3162, 0.3961



21.3933, 0.2438, 0.2687



21.3933, 0.3805, 0.3249

Complementary

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



21.3933, 0.3162, 0.3961



15.7195, 0.3074, 0.2674

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.



21.3933, 0.3467, 0.2943



21.3933, 0.3162, 0.3961



21.3933, 0.2677, 0.2626

Square

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



21.3933, 0.3162, 0.3961



21.3933, 0.2371, 0.2914



21.3933, 0.3049, 0.2720



21.3933, 0.3947, 0.3582

Rectangle

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



21.3933, 0.3162, 0.3961



21.3933, 0.2566, 0.3411



21.3933, 0.3049, 0.2720



21.3933, 0.3709, 0.3141

Sweetspot

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



21.3942, 0.3162, 0.3961



41.5672, 0.3140, 0.3489



21.7286, 0.3516, 0.3790



9.5602, 0.3142, 0.3523



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.



21.3942, 0.3162, 0.3961



37.4133, 0.3167, 0.4129



21.2583, 0.2989, 0.3751



5.2416, 0.3141, 0.3512



16.1615, 0.3069, 0.5945



0.0583, 0.3297, 0.5764

Inverse Universe

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



15.7195, 0.3074, 0.2674



25.5103, 0.3059, 0.2535



15.9176, 0.3299, 0.2870



4.7222, 0.3111, 0.3074



4.7380, 0.2777, 0.1303



0.0191, 0.2999, 0.1426

Previews

White Background



This preview shows how the Yxy color 21.3933, 0.3162, 0.3961 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 21.3933, 0.3162, 0.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

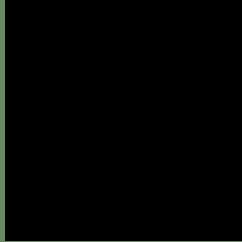
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3933, 0.3162, 0.3961

Background



This preview shows how black text looks on a background with the Yxy color 21.3933, 0.3162, 0.3961.



This preview shows how white text looks on a background with the Yxy color 21.3933, 0.3162, 0.3961.

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

21.3933, 0.3162, 0.3961

Protanopia

21.2761, 0.3583, 0.3831

Deuteranopia

21.2144, 0.3677, 0.3600



Tritanopia

21.4361, 0.2848, 0.3106

Trichromacy



Original Color

21.3933, 0.3162, 0.3961

Protanomaly

21.2071, 0.3420, 0.3890

Deuteranomaly

21.1446, 0.3474, 0.3727

Tritanomaly

21.3884, 0.2955, 0.3403

Monochromacy



Original Color

21.3933, 0.3162, 0.3961

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1985, 0.3140, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3933, 0.3162, 0.3961 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(107, 135, 101)` looks like.

```
.text, #text, p{  
    color:rgb(107, 135, 101)  
}
```

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(107, 135, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 135, 101) }
```

Border

The CSS property to change the border of an element to Yxy 21.3933, 0.3162, 0.3961 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(107, 135, 101) }
```

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

```
.border{ border-color:rgb(107, 135, 101) }
```

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

Here you see how a box with a 4 pixel rgb(107, 135, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 135, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 135, 101);  
box-shadow:4px 4px 4px 4px rgb(107, 135,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3933, 0.3162, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 135, 101) }
```

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

```
.background{ background-color: rgb(107,  
135, 101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor