

Converting Colors

$Y_{xy}(21.6983, 0.3462, 0.4558)$

Have a look what the booklet for
Yxy(21.6983, 0.3462, 0.4558)
contains.

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Color

Yxy(21.6104, 0.3460, 0.4553)

Conversions

Conversions Part 1

Format	Color
Hex	6D8948
RGB	109, 137, 72
RGB Percent	43%, 54%, 28%
CMY	0.5725, 0.4627, 0.7178
CMYK	0.20, 0.00, 0.47, 0.46
HSL	86°, 31%, 41%
HSV	86°, 47%, 54%
XYZ	16.4226, 21.6104, 9.4311
YIQ	121.2180, 4.1770, -26.1510

Conversions

Conversions Part 2

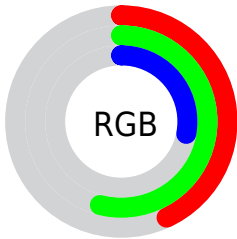
Format	Color
R_{YB}	72, 137, 100
Decimal	7178568
CIE Lab	53.61, -21.56, 31.53
CIE LCh	54, 38.196, 124.367
Yxy	21.6104, 0.3460, 0.4553
Android (android.graphics.Color)	4285368648 (0xFF6D8948)
YUV	121.2180, -24.2645, -10.7152
Hunter-Lab	46.4870, -18.2931, 20.5123

Details

The Yxy color **21.6104, 0.3460, 0.4553** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.1439, 0.2625, 0.1987**, and the grayscale version is **19.2741, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9134, 0.3408, 0.4248**, and **7.8164, 0.3510, 0.5093** is the 20% darker color. If you saturate the color by 10%, you get **21.0906, 0.3505, 0.4824**, and if you desaturate by 10%, it is **22.1971, 0.3401, 0.4272**.

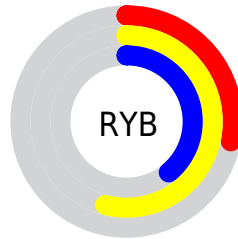
Distribution



Red (43%)

Green (54%)

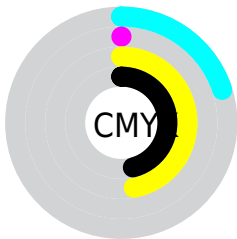
Blue (28%)



Red (28%)

Yellow (54%)

Blue (39%)

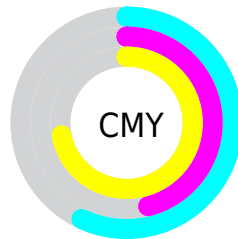


Cyan (20%)

Magenta (0%)

Yellow (47%)

Black (46%)



Cyan (57%)


Magenta (46%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6104, 0.3460, 0.4553 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 21.6104, 0.3460, 0.4553 by changing the saturation by 10% instead.


 21.6104, 0.3460,
0.4553


 21.6104, 0.3460,
0.4553


260.5049, 0.3298,
0.3817


 13.5709, 0.3490,
0.4777


 46.1012, 0.3406,
0.4257


 7.8228, 0.3516,
0.5089

 63.3213, 0.3383,
0.4155

 3.9818, 0.3531,
0.5571

 84.3705, 0.3364,
0.4072

 1.6634, 0.3530,
0.6470

 109.6330, 0.3347,
0.4003

 0.3998, 0.0000,
1.0000

 139.4933, 0.3332,
0.3945

 0.0000, 0.0000,
0.0000

174.3358, 0.3319,

0.3896

214.5448, 0.3308,
0.3854

■ 21.6104, 0.3460,
0.4553

■ 21.6104, 0.3460,
0.4553

■ 21.0906, 0.3505,
0.4824

■ 22.1971, 0.3401,
0.4272

■ 20.6315, 0.3533,
0.5074

■ 22.8506, 0.3333,
0.3993

■ 20.2308, 0.3540,
0.5289


■ 23.5748, 0.3259,
0.3723


■ 19.8843, 0.3524,
0.5460

■ 24.3719, 0.3184,
0.3468

■ 19.5846, 0.3490,
0.5587


■ 25.2446, 0.3108,
0.3232

 19.5132, 0.3481,
0.5618

 26.1950, 0.3035,
0.3015

 27.2252, 0.2964,
0.2819

 28.3375, 0.2898,
0.2641

 29.5336, 0.2836,
0.2482

Harmonies

Analogous

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



21.6104, 0.4067, 0.4406



21.6104, 0.3460, 0.4553



21.6104, 0.2797, 0.4242

Triad

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



21.6104, 0.3460, 0.4553



21.6104, 0.1945, 0.2426



21.6104, 0.4034, 0.2966

Complementary

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



21.6104, 0.3460, 0.4553



9.1439, 0.2625, 0.1987

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.



21.6104, 0.3359, 0.2551



21.6104, 0.3460, 0.4553



21.6104, 0.2190, 0.2238

Square

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



21.6104, 0.3460, 0.4553



21.6104, 0.1964, 0.2883



21.6104, 0.2683, 0.2292



21.6104, 0.4448, 0.3468

Rectangle

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



21.6104, 0.3460, 0.4553



21.6104, 0.2414, 0.3812



21.6104, 0.2683, 0.2292



21.6104, 0.3826, 0.2814

Sweetspot

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



21.6114, 0.3460, 0.4553



42.6539, 0.3236, 0.3641



14.7222, 0.4111, 0.3794



9.5082, 0.3250, 0.3690



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.



21.6114, 0.3460, 0.4553



37.6997, 0.3508, 0.4845



19.9532, 0.3112, 0.4701



5.7396, 0.3197, 0.3510



18.1833, 0.3483, 0.5616



0.1295, 0.3801, 0.5364

Inverse Universe

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



9.1439, 0.2625, 0.1987



12.5399, 0.2475, 0.1674



11.3089, 0.3096, 0.2151



4.9906, 0.3053, 0.3069



2.5542, 0.1922, 0.0833



0.0253, 0.2418, 0.1106

Previews

White Background



This preview shows how the Yxy color 21.6104, 0.3460, 0.4553 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 21.6104, 0.3460, 0.4553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

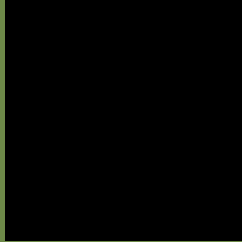
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6104, 0.3460, 0.4553

Background



This preview shows how black text looks on a background with the Yxy color 21.6104, 0.3460, 0.4553.



This preview shows how white text looks on a background with the Yxy color 21.6104, 0.3460, 0.4553.

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

21.6104, 0.3460, 0.4553

Protanopia

21.5307, 0.3951, 0.4302

Deuteranopia

21.4094, 0.4109, 0.4039



Tritanopia

21.4455, 0.2890, 0.3090

Trichromacy



Original Color

21.6104, 0.3460, 0.4553

Protanomaly

21.3419, 0.3763, 0.4394

Deuteranomaly

21.0900, 0.3857, 0.4206

Tritanomaly

21.3852, 0.3112, 0.3614

Monochromacy



Original Color

21.6104, 0.3460, 0.4553

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.9399, 0.3273, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6104, 0.3460, 0.4553 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, 137, 72)` looks like.

```
.text, #text, p{  
    color:rgb(109, 137, 72)  
}
```

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, 137, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 137, 72) }
```

Border

The CSS property to change the border of an element to Yxy 21.6104, 0.3460, 0.4553 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, 137, 72) }
```

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

```
.border{ border-color:rgb(109, 137, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 137, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 137, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 137, 72);  
box-shadow:4px 4px 4px 4px rgb(109, 137,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6104, 0.3460, 0.4553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 137, 72) }
```

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

```
.background{ background-color: rgb(109,  
137, 72) }
```

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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