

Converting Colors

$Yxy(21.1348, 0.2592, 0.3664)$

Have a look what the booklet for
Yxy(21.1348, 0.2592, 0.3664)
contains.

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Color

$\text{Yxy}(21.2513, 0.2588, 0.3665)$

Conversions

Conversions Part 1

Format	Color
Hex	408C7A
RGB	64, 140, 122
RGB Percent	25%, 55%, 48%
CMY	0.7490, 0.4510, 0.5215
CMYK	0.54, 0.00, 0.13, 0.45
HSL	166°, 37%, 40%
HSV	166°, 54%, 55%
XYZ	15.0064, 21.2513, 21.7268
YIQ	115.2240, -39.5180, -21.7100

Conversions

Conversions Part 2

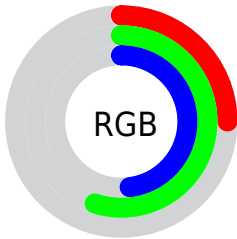
Format	Color
RYB	64, 107, 140
Decimal	4230266
CIELab	53.22, -28.14, 2.48
CIElCh	53, 28.246, 174.964
Yxy	21.2513, 0.2588, 0.3665
Android (android.graphics.Color)	4282420346 (0xFF408C7A)
YUV	115.2240, 3.3406, -44.9234
Hunter-Lab	46.0991, -22.5674, 4.3257

Details

The Yxy color **21.2513, 0.2588, 0.3665** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.8531, 0.4274, 0.2971**, and the grayscale version is **17.2162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4911, 0.2711, 0.3585**, and **7.6258, 0.2397, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **20.7594, 0.2529, 0.3748**, and if you desaturate by 10%, it is **21.8656, 0.2664, 0.3585**.

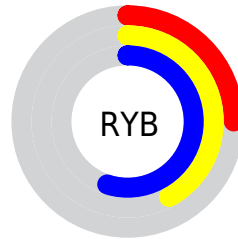
Distribution



Red (25%)

Green (55%)

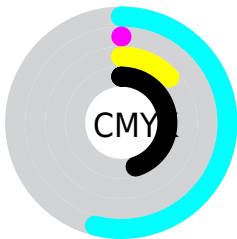
Blue (48%)



Red (25%)

Yellow (42%)

Blue (55%)

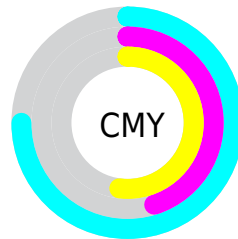


Cyan (54%)

Magenta (0%)

Yellow (13%)

Black (45%)



Cyan (75%)


Magenta (45%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2513, 0.2588, 0.3665 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 21.2513, 0.2588, 0.3665 by changing the saturation by 10% instead.


 21.2513, 0.2588,
0.3665


 21.2513, 0.2588,
0.3665


258.6110, 0.2893,
0.3451


 13.3078, 0.2497,
0.3730

 45.5054, 0.2709,
0.3579

 7.6409, 0.2371,
0.3822


 62.5848, 0.2751,
0.3550

 3.8660, 0.2181,
0.3962

 83.4783, 0.2785,
0.3526

 1.5989, 0.1854,
0.4208

 108.5703, 0.2814,
0.3506

 0.3569, 0.0000,
0.6238

 138.2451, 0.2838,
0.3489

 0.0000, 0.0000,
0.0000

172.8873, 0.2859,

0.3474

212.8811, 0.2877,
0.3462

■ 21.2513, 0.2588,
0.3665

■ 21.2513, 0.2588,
0.3665

■ 20.7594, 0.2529,
0.3748

■ 21.8656, 0.2664,
0.3585

■ 20.3782, 0.2487,
0.3832

■ 22.6077, 0.2753,
0.3510

■ 20.0984, 0.2464,
0.3918

■ 23.4860, 0.2853,
0.3439

■ 19.9068, 0.2458,
0.4003

■ 24.5072, 0.2962,
0.3374

■ 19.8148, 0.2459,
0.4052

■ 25.6777, 0.3077,
0.3314

■ 27.0034, 0.3195,
0.3260

■ 28.4900, 0.3315,
0.3211

■ 30.1429, 0.3434,
0.3168

■ 31.9670, 0.3551,
0.3130

Harmonies

Analogous

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



21.2513, 0.3047, 0.4084



21.2513, 0.2588, 0.3665



21.2513, 0.2287, 0.3150

Triad

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



21.2513, 0.2588, 0.3665



21.2513, 0.2659, 0.2488



21.2513, 0.4150, 0.3725

Complementary

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



21.2513, 0.2588, 0.3665



9.8531, 0.4274, 0.2971

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.



21.2513, 0.4041, 0.3321



21.2513, 0.2588, 0.3665



21.2513, 0.3142, 0.2642

Square

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



21.2513, 0.2588, 0.3665



21.2513, 0.2328, 0.2511



21.2513, 0.3659, 0.2938



21.2513, 0.3960, 0.4064

Rectangle

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



21.2513, 0.2588, 0.3665



21.2513, 0.2203, 0.2854



21.2513, 0.3659, 0.2938



21.2513, 0.4148, 0.3593

Sweetspot

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



21.2521, 0.2588, 0.3665



42.8149, 0.2939, 0.3387



20.9661, 0.3226, 0.4875



9.7889, 0.2919, 0.3398



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.



21.2521, 0.2588, 0.3665



36.4432, 0.2518, 0.3765



16.6596, 0.2374, 0.2890



5.6687, 0.3021, 0.3342



17.6094, 0.2458, 0.4048



0.1192, 0.2347, 0.3650

Inverse Universe

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



9.8531, 0.4274, 0.2971



14.1849, 0.4700, 0.2929



12.1340, 0.4444, 0.3635



5.0667, 0.3246, 0.3238



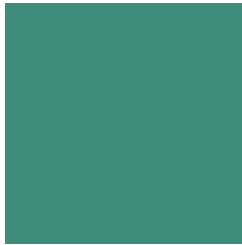
5.0551, 0.5907, 0.3028



0.0356, 0.4898, 0.2472

Previews

White Background



This preview shows how the Yxy color 21.2513, 0.2588, 0.3665 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 21.2513, 0.2588, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

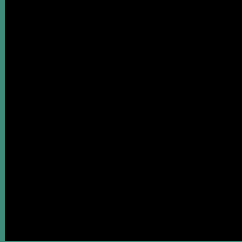
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2513, 0.2588, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 21.2513, 0.2588, 0.3665.



This preview shows how white text looks on a background with the Yxy color 21.2513, 0.2588, 0.3665.

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

21.2513, 0.2588, 0.3665

Protanopia

20.9619, 0.3324, 0.3509

Deuteranopia

20.9144, 0.3291, 0.3221



Tritanopia

21.0926, 0.2440, 0.3073

Trichromacy



Original Color

21.2513, 0.2588, 0.3665

Protanomaly

20.6428, 0.3002, 0.3563

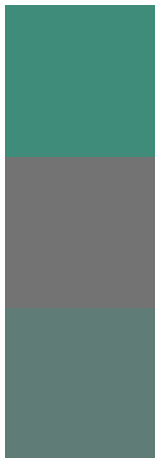
Deuteranomaly

20.6259, 0.2975, 0.3366

Tritanomaly

20.9915, 0.2489, 0.3268

Monochromacy



Original Color

21.2513, 0.2588, 0.3665

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.2101, 0.2868, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2513, 0.2588, 0.3665 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(64, 140, 122)` looks like.

```
.text, #text, p{  
    color:rgb(64, 140, 122)  
}
```

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(64, 140, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 140, 122) }
```

Border

The CSS property to change the border of an element to Yxy 21.2513, 0.2588, 0.3665 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(64, 140, 122) }
```

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

```
.border{ border-color:rgb(64, 140, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 140, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 140, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 140, 122);  
box-shadow:4px 4px 4px 4px rgb(64, 140,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2513, 0.2588, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 140, 122) }
```

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

```
.background{ background-color: rgb(64, 140,  
122) }
```

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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