

Converting Colors

$Y_{xy}(21.6041, 0.2646, 0.3705)$

Have a look what the booklet for
Yxy(21.6041, 0.2646, 0.3705)
contains.

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Color

$Y_{xy}(21.7079, 0.2649, 0.3724)$

Conversions

Conversions Part 1

Format	Color
Hex	468D78
RGB	70, 141, 120
RGB Percent	27%, 55%, 47%
CMY	0.7254, 0.4471, 0.5294
CMYK	0.50, 0.00, 0.15, 0.45
HSL	162°, 34%, 41%
HSV	162°, 50%, 55%
XYZ	15.4415, 21.7079, 21.1425
YIQ	117.3770, -35.5750, -21.5830

Conversions

Conversions Part 2

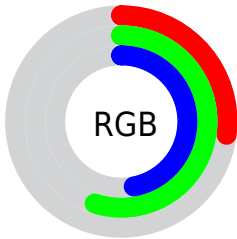
Format	Color
RYB	70, 112, 141
Decimal	4623736
CIELab	53.72, -27.67, 4.39
CIElCh	54, 28.017, 170.995
Yxy	21.7079, 0.2649, 0.3724
Android (android.graphics.Color)	4282813816 (0xFF468D78)
YUV	117.3770, 1.2931, -41.5496
Hunter-Lab	46.5917, -22.3767, 5.7095

Details

The Yxy color **21.7079, 0.2649, 0.3724** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.8020, 0.4065, 0.2914**, and the grayscale version is **17.9183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2197, 0.2756, 0.3627**, and **7.8383, 0.2450, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **21.1452, 0.2588, 0.3828**, and if you desaturate by 10%, it is **22.3999, 0.2725, 0.3625**.

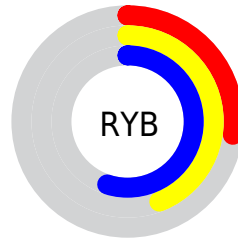
Distribution



 Red (27%)

 Green (55%)

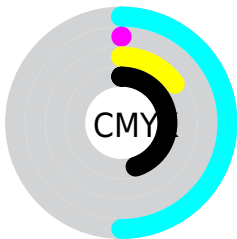
 Blue (47%)




 Red (27%)

 Yellow (44%)

 Blue (55%)

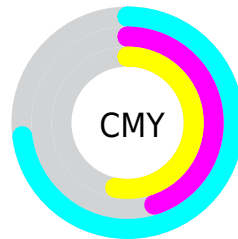


 Cyan (50%)

 Magenta (0%)

 Yellow (15%)

 Black (45%)



 Cyan (73%)


 Magenta (45%)


 Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7079, 0.2649, 0.3724 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 21.7079, 0.2649, 0.3724 by changing the saturation by 10% instead.


 21.7079, 0.2649,
0.3724


 21.7079, 0.2649,
0.3724


261.0170, 0.2920,
0.3475


 13.6424, 0.2568,
0.3800


 46.2627, 0.2757,
0.3624


 7.8724, 0.2454,
0.3909


 63.5209, 0.2794,
0.3589


 4.0134, 0.2283,
0.4077

 84.6121, 0.2825,
0.3561

 1.6811, 0.1995,
0.4368

 109.9207, 0.2850,
0.3538

 0.4114, 0.0000,
0.7443

 139.8311, 0.2872,
0.3518

 0.0000, 0.0000,
0.0000

174.7277, 0.2890,

0.3502

214.9949, 0.2906,
0.3487

■ 21.7079, 0.2649,
0.3724

■ 21.7079, 0.2649,
0.3724

■ 21.1452, 0.2588,
0.3828

■ 22.3999, 0.2725,
0.3625

■ 20.7004, 0.2544,
0.3936

■ 23.2265, 0.2813,
0.3531

■ 20.3644, 0.2518,
0.4045

■ 24.1960, 0.2911,
0.3444

■ 20.1256, 0.2511,
0.4154

■ 25.3150, 0.3015,
0.3365

■ 19.9559, 0.2517,
0.4260

■ 26.5899, 0.3123,
0.3292

■ 28.0267, 0.3234,
0.3227

■ 29.6310, 0.3345,
0.3169

■ 31.4082, 0.3454,
0.3118

■ 33.3633, 0.3561,
0.3073

Harmonies

Analogous

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



21.7079, 0.3115, 0.4107



21.7079, 0.2649, 0.3724



21.7079, 0.2327, 0.3217

Triad

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



21.7079, 0.2649, 0.3724



21.7079, 0.2613, 0.2491



21.7079, 0.4138, 0.3669

Complementary

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



21.7079, 0.2649, 0.3724



10.8020, 0.4065, 0.2914

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.



21.7079, 0.3991, 0.3269



21.7079, 0.2649, 0.3724



21.7079, 0.3074, 0.2622

Square

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



21.7079, 0.2649, 0.3724



21.7079, 0.2310, 0.2540



21.7079, 0.3588, 0.2898



21.7079, 0.3988, 0.4017

Rectangle

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



21.7079, 0.2649, 0.3724



21.7079, 0.2225, 0.2914



21.7079, 0.3588, 0.2898



21.7079, 0.4122, 0.3537

Sweetspot

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



21.7088, 0.2649, 0.3724



44.3017, 0.2962, 0.3403



21.7327, 0.3262, 0.4733



9.8133, 0.2943, 0.3418



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.



21.7088, 0.2649, 0.3724



37.7829, 0.2583, 0.3838



18.3546, 0.2434, 0.2999



6.0895, 0.3027, 0.3356



18.1987, 0.2516, 0.4256



0.1779, 0.2377, 0.3757

Inverse Universe

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



10.8020, 0.4065, 0.2914



16.0057, 0.4398, 0.2852



12.4800, 0.4345, 0.3549



5.4487, 0.3238, 0.3225



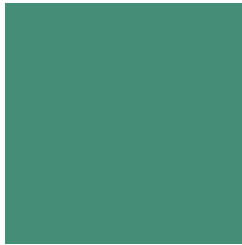
5.3166, 0.5713, 0.2921



0.0543, 0.4656, 0.2339

Previews

White Background



This preview shows how the Yxy color 21.7079, 0.2649, 0.3724 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 21.7079, 0.2649, 0.3724 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

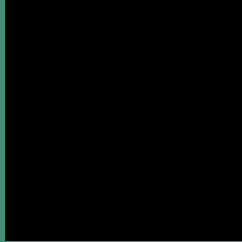
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7079, 0.2649, 0.3724

Background



This preview shows how black text looks on a background with the Yxy color 21.7079, 0.2649, 0.3724.



This preview shows how white text looks on a background with the Yxy color 21.7079, 0.2649, 0.3724.

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

21.7079, 0.2649, 0.3724

Protanopia

21.3575, 0.3358, 0.3543

Deuteranopia

21.2839, 0.3338, 0.3273



Tritanopia

21.6491, 0.2478, 0.3077

Trichromacy



Original Color

21.7079, 0.2649, 0.3724

Protanomaly

21.0785, 0.3045, 0.3599

Deuteranomaly

21.0402, 0.3030, 0.3422

Tritanomaly

21.5078, 0.2534, 0.3288

Monochromacy



Original Color

21.7079, 0.2649, 0.3724

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.9390, 0.2913, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7079, 0.2649, 0.3724 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(70, 141, 120)` looks like.

```
.text, #text, p{  
  color:rgb(70, 141, 120)  
}
```

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(70, 141, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 141, 120) }
```

Border

The CSS property to change the border of an element to Yxy 21.7079, 0.2649, 0.3724 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(70, 141, 120) }
```

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

```
.border{ border-color:rgb(70, 141, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 141, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(70, 141, 120); -webkit-box-shadow:4px 4px 4px 4px rgb(70, 141, 120); box-shadow:4px 4px 4px 4px rgb(70, 141, 120) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7079, 0.2649, 0.3724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 141, 120) }
```

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

```
.background{ background-color: rgb(70, 141,  
120) }
```

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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