

Converting Colors

$Y_{xy}(21.2766, 0.2324, 0.2767)$

Have a look what the booklet for
Yxy(21.2766, 0.2324, 0.2767)
contains.

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Color

Yxy(21.3119, 0.2321, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	4787A3
RGB	71, 135, 163
RGB Percent	28%, 53%, 64%
CMY	0.7217, 0.4706, 0.3609
CMYK	0.56, 0.17, 0.00, 0.36
HSL	198°, 39%, 46%
HSV	198°, 56%, 64%
XYZ	17.8703, 21.3119, 37.8117
YIQ	119.0560, -47.1320, -4.8600

Conversions

Conversions Part 2

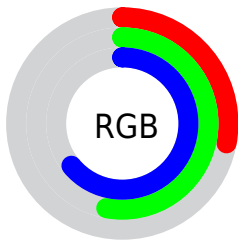
Format	Color
R _Y B	71, 109, 163
Decimal	4687779
CIE Lab	53.29, -12.22, -21.11
CIE LCh	53, 24.395, 239.940
Yxy	21.3119, 0.2321, 0.2768
Android (android.graphics.Color)	4282877859 (0xFF4787A3)
YUV	119.0560, 21.6644, -42.1451
Hunter-Lab	46.1648, -11.6916, -16.2466

Details

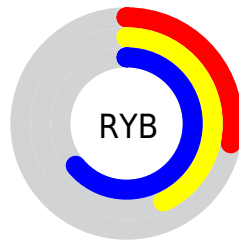
The Yxy color **21.3119, 0.2321, 0.2768** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.1525, 0.4496, 0.3727**, and the grayscale version is **18.4062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4640, 0.2488, 0.2882**, and **7.6447, 0.2042, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **19.4264, 0.2210, 0.2657**, and if you desaturate by 10%, it is **23.4286, 0.2447, 0.2875**.

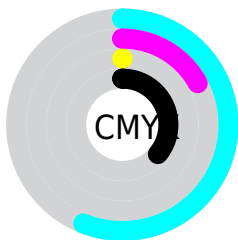
Distribution



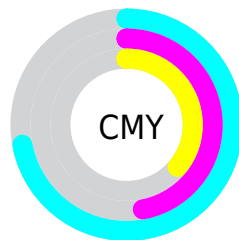
- Red (28%)
- Green (53%)
- Blue (64%)



- Red (28%)
- Yellow (43%)
- Blue (64%)



- Cyan (56%)
- Magenta (17%)
- Yellow (0%)
- Black (36%)



- Cyan (72%)
- Magenta (47%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3119, 0.2321, 0.2768 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 21.3119, 0.2321, 0.2768 by changing the saturation by 10% instead.

■ 21.3119, 0.2321,
0.2768

■ 21.3119, 0.2321,
0.2768

■ 258.9315, 0.2762,
0.3067

■ 13.3522, 0.2198,
0.2679

■ 45.6060, 0.2491,
0.2887

■ 7.6715, 0.2033,
0.2555

■ 62.7093, 0.2552,
0.2928

■ 3.8855, 0.1801,
0.2372

■ 83.6291, 0.2602,
0.2962

■ 1.6097, 0.1457,
0.2081

■ 108.7500, 0.2644,
0.2990

■ 0.3641, 0.0184,
0.1401

■ 138.4562, 0.2680,
0.3014

■ 0.0000, 0.0000,
0.0000

173.1323, 0.2712,

0.3034

213.1626, 0.2739,
0.3052

■ 21.3119, 0.2321,
0.2768

■ 21.3119, 0.2321,
0.2768

■ 19.4264, 0.2210,
0.2657

■ 23.4286, 0.2447,
0.2875

■ 17.7553, 0.2115,
0.2543

■ 25.7870, 0.2584,
0.2977

■ 16.2828, 0.2040,
0.2430

■ 28.3996, 0.2729,
0.3073

■ 14.9857, 0.1984,
0.2317

■ 31.2774, 0.2879,
0.3161

■ 14.5502, 0.1966,
0.2277

■ 34.4304, 0.3030,
0.3242

■ 37.8682, 0.3180,
0.3315

■ 41.5998, 0.3328,
0.3380

■ 45.6337, 0.3470,
0.3439

■ 49.9783, 0.3608,
0.3490

Harmonies

Analogous

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



21.3119, 0.2369, 0.3106



21.3119, 0.2321, 0.2768



21.3119, 0.2467, 0.2596

Triad

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



21.3119, 0.2321, 0.2768



21.3119, 0.3654, 0.3037



21.3119, 0.3430, 0.4088

Complementary

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



21.3119, 0.2321, 0.2768



17.1525, 0.4496, 0.3727

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.



21.3119, 0.3804, 0.4001



21.3119, 0.2321, 0.2768



21.3119, 0.3948, 0.3383

Square

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



21.3119, 0.2321, 0.2768



21.3119, 0.3218, 0.2759



21.3119, 0.4001, 0.3732



21.3119, 0.2991, 0.3921

Rectangle

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



21.3119, 0.2321, 0.2768



21.3119, 0.2663, 0.2580



21.3119, 0.4001, 0.3732



21.3119, 0.3568, 0.4086

Sweetspot

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



21.3127, 0.2321, 0.2768



55.5663, 0.2866, 0.3154



28.4183, 0.2864, 0.4541



12.2545, 0.2837, 0.3138



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



21.3127, 0.2321, 0.2768



33.9218, 0.2181, 0.2625



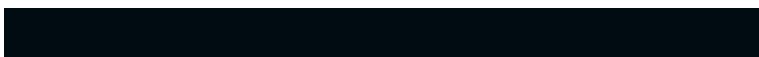
11.1900, 0.2131, 0.1861



7.6460, 0.2987, 0.3220



11.3939, 0.1969, 0.2287



0.3165, 0.2082, 0.2693

Inverse Universe

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



14.0373, 0.3606, 0.2330



20.8698, 0.3761, 0.2171



28.3611, 0.4064, 0.4383



7.1653, 0.3182, 0.3135



6.9943, 0.4140, 0.2054



0.1547, 0.3735, 0.1831

Previews

White Background



This preview shows how the Yxy color 21.3119, 0.2321, 0.2768 looks on a white background.

Color Contrast Check

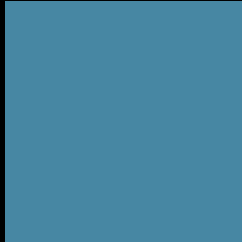
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3119, 0.2321, 0.2768 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 21.3119, 0.2321, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 21.3119, 0.2321, 0.2768.



This preview shows how white text looks on a background with the Yxy color 21.3119, 0.2321, 0.2768.

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

21.3119, 0.2321, 0.2768

Protanopia

20.9895, 0.2744, 0.2750

Deuteranopia

21.2354, 0.2653, 0.2609



Tritanopia

21.1851, 0.2385, 0.3053

Trichromacy



Original Color

21.3119, 0.2321, 0.2768

Protanomaly

21.0285, 0.2562, 0.2751

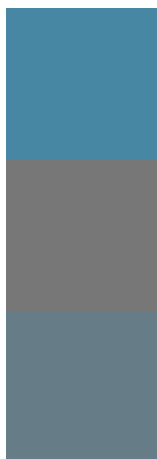
Deuteranomaly

21.1476, 0.2514, 0.2669

Tritanomaly

21.1347, 0.2360, 0.2942

Monochromacy



Original Color

21.3119, 0.2321, 0.2768

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.2413, 0.2765, 0.3096

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3119, 0.2321, 0.2768 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(71, 135, 163)` looks like.

```
.text, #text, p{  
    color:rgb(71, 135, 163)  
}
```

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(71, 135, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 135, 163) }
```

Border

The CSS property to change the border of an element to Yxy 21.3119, 0.2321, 0.2768 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(71, 135, 163) }
```

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

```
.border{ border-color:rgb(71, 135, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 135, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 135, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 135, 163);  
box-shadow:4px 4px 4px 4px rgb(71, 135,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3119, 0.2321, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 135, 163) }
```

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

```
.background{ background-color: rgb(71, 135,  
163) }
```

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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