

Converting Colors

$Y_{xy}(21.0865, 0.2699, 0.3794)$

Have a look what the booklet for
Yxy(21.0865, 0.2699, 0.3794)
contains.

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Color

Yxy(21.0808, 0.2699, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	488B73
RGB	72, 139, 115
RGB Percent	28%, 55%, 45%
CMY	0.7176, 0.4549, 0.5490
CMYK	0.48, 0.00, 0.17, 0.45
HSL	158°, 32%, 41%
HSV	158°, 48%, 55%
XYZ	15.0005, 21.0808, 19.4968
YIQ	116.2310, -32.2280, -21.6680

Conversions

Conversions Part 2

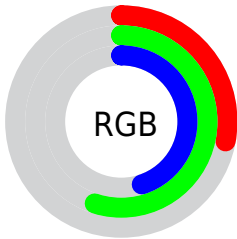
Format	Color
RYB	72, 113, 139
Decimal	4754291
CIELab	53.04, -27.37, 6.30
CIElCh	53, 28.088, 167.033
Yxy	21.0808, 0.2699, 0.3793
Android (android.graphics.Color)	4282944371 (0xFF488B73)
YUV	116.2310, -0.6069, -38.7906
Hunter-Lab	45.9138, -22.0313, 6.9628

Details

The Yxy color **21.0808, 0.2699, 0.3793** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.9715, 0.3922, 0.2854**, and the grayscale version is **17.5508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2899, 0.2799, 0.3674**, and **7.4863, 0.2514, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **20.4947, 0.2640, 0.3920**, and if you desaturate by 10%, it is **21.7956, 0.2772, 0.3672**.

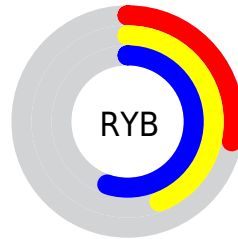
Distribution



Red (28%)

Green (55%)

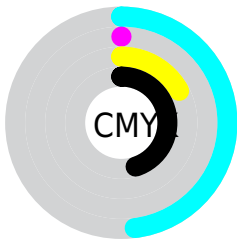
Blue (45%)



Red (28%)

Yellow (44%)

Blue (55%)

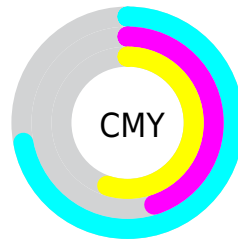


Cyan (48%)

Magenta (0%)

Yellow (17%)

Black (45%)



Cyan (72%)


Magenta (45%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0808, 0.2699, 0.3793 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 21.0808, 0.2699, 0.3793 by changing the saturation by 10% instead.


 21.0808, 0.2699,
0.3793


 21.0808, 0.2699,
0.3793


257.7076, 0.2944,
0.3501


 13.1831, 0.2624,
0.3884


 45.2220, 0.2797,
0.3675

 7.5547, 0.2518,
0.4016


 62.2342, 0.2831,
0.3634

 3.8114, 0.2356,
0.4222

 83.0534, 0.2859,
0.3601

 1.5686, 0.2062,
0.4596

 108.0640, 0.2882,
0.3574

 0.3363, 0.0000,
1.0000

 137.6502, 0.2901,
0.3551

 0.0000, 0.0000,
0.0000

172.1967, 0.2918,

0.3532

212.0877, 0.2932,
0.3515

■ 21.0808, 0.2699,
0.3793

■ 21.0808, 0.2699,
0.3793

■ 20.4947, 0.2640,
0.3920

■ 21.7956, 0.2772,
0.3672

■ 20.0264, 0.2597,
0.4052

■ 22.6442, 0.2856,
0.3560

■ 19.6674, 0.2572,
0.4187


■ 23.6343, 0.2948,
0.3456


■ 19.4068, 0.2566,
0.4321


■ 24.7724, 0.3045,
0.3361


■ 19.2213, 0.2575,
0.4454

■ 26.0646, 0.3145,
0.3275

 19.1898, 0.2577,
0.4479

 27.5165, 0.3247,
0.3198

 29.1338, 0.3348,
0.3130

 30.9213, 0.3447,
0.3070

 32.8843, 0.3543,
0.3017

Harmonies

Analogous

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



21.0808, 0.3181, 0.4149



21.0808, 0.2699, 0.3793



21.0808, 0.2349, 0.3283

Triad

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



21.0808, 0.2699, 0.3793



21.0808, 0.2556, 0.2478



21.0808, 0.4148, 0.3620

Complementary

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



21.0808, 0.2699, 0.3793



10.9715, 0.3922, 0.2854

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.



21.0808, 0.3961, 0.3215



21.0808, 0.2699, 0.3793



21.0808, 0.3005, 0.2588

Square

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



21.0808, 0.2699, 0.3793



21.0808, 0.2275, 0.2553



21.0808, 0.3527, 0.2850



21.0808, 0.4034, 0.3985

Rectangle

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



21.0808, 0.2699, 0.3793



21.0808, 0.2227, 0.2964



21.0808, 0.3527, 0.2850



21.0808, 0.4119, 0.3485

Sweetspot

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



21.0816, 0.2699, 0.3793



43.0837, 0.2985, 0.3418



21.4519, 0.3308, 0.4642



9.8394, 0.2966, 0.3436



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.



21.0816, 0.2699, 0.3793



36.6021, 0.2634, 0.3934



19.2265, 0.2477, 0.3107



5.6587, 0.3036, 0.3370



17.3229, 0.2576, 0.4473



0.1179, 0.2410, 0.3877

Inverse Universe

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



10.9715, 0.3922, 0.2854



16.2118, 0.4215, 0.2770



11.8349, 0.4311, 0.3457



5.0763, 0.3228, 0.3212



5.1635, 0.5476, 0.2790



0.0369, 0.4436, 0.2217

Previews

White Background



This preview shows how the Yxy color 21.0808, 0.2699, 0.3793 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 21.0808, 0.2699, 0.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

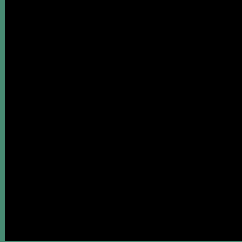
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0808, 0.2699, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 21.0808, 0.2699, 0.3793.



This preview shows how white text looks on a background with the Yxy color 21.0808, 0.2699, 0.3793.

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

21.0808, 0.2699, 0.3793

Protanopia

20.9100, 0.3407, 0.3619

Deuteranopia

20.9137, 0.3401, 0.3343



Tritanopia

21.1526, 0.2508, 0.3076

Trichromacy



Original Color

21.0808, 0.2699, 0.3793

Protanomaly

20.6953, 0.3097, 0.3681

Deuteranomaly

20.4594, 0.3095, 0.3481

Tritanomaly

20.9773, 0.2574, 0.3308

Monochromacy



Original Color

21.0808, 0.2699, 0.3793

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.3856, 0.2933, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0808, 0.2699, 0.3793 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(72, 139, 115)` looks like.

```
.text, #text, p{  
    color:rgb(72, 139, 115)  
}
```

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(72, 139, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 139, 115) }
```

Border

The CSS property to change the border of an element to Yxy 21.0808, 0.2699, 0.3793 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(72, 139, 115) }
```

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

```
.border{ border-color:rgb(72, 139, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 139, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 139, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 139, 115);  
box-shadow:4px 4px 4px 4px rgb(72, 139,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0808, 0.2699, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 139, 115) }
```

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

```
.background{ background-color: rgb(72, 139,  
115) }
```

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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