

Converting Colors

$Y_{xy}(21.6459, 0.2386, 0.2142)$

Have a look what the booklet for
Yxy(21.6459, 0.2386, 0.2142)
contains.

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Color

Yxy(21.5494, 0.2384, 0.2141)

Conversions

Conversions Part 1	
Format	Color
Hex	737AC4
RGB	115, 122, 196
RGB Percent	45%, 48%, 77%
CMY	0.5489, 0.5216, 0.2315
CMYK	0.41, 0.38, 0.00, 0.23
HSL	235°, 41%, 61%
HSV	235°, 41%, 77%
XYZ	23.9952, 21.5494, 55.1065
YIQ	128.3430, -27.9260, 21.5300

Conversions

Conversions Part 2

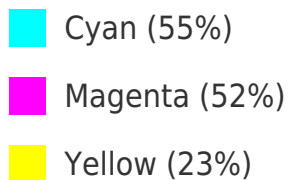
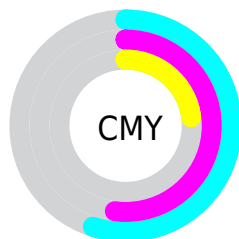
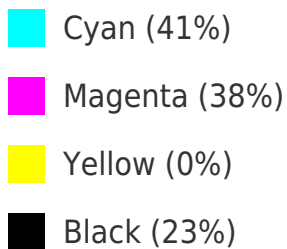
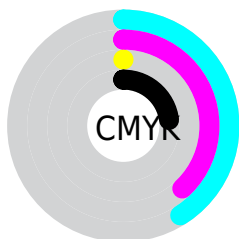
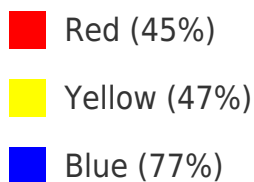
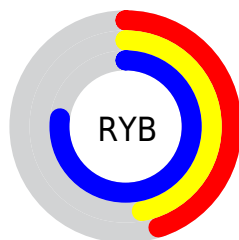
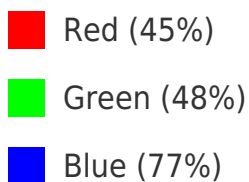
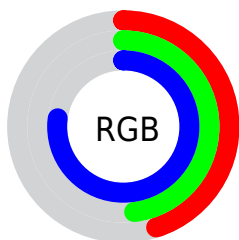
Format	Color
RYB	115, 121, 196
Decimal	7568068
CIELab	53.55, 16.24, -39.48
CIELCh	54, 42.689, 292.365
Yxy	21.5494, 0.2384, 0.2141
Android (android.graphics.Color)	4285758148 (0xFF737AC4)
YUV	128.3430, 33.3549, -11.7018
Hunter-Lab	46.4213, 11.0295, -37.8879

Details

The Yxy color `21.5494, 0.2384, 0.2141` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `49.3773, 0.3770, 0.4225`, and the grayscale version is `21.6033, 0.3127, 0.3290`.

A 20% lighter version of the original color is `45.9100, 0.2542, 0.2360`, and `7.8427, 0.2117, 0.1794` is the 20% darker color. If you saturate the color by 10%, you get `16.3584, 0.2178, 0.1810`, and if you desaturate by 10%, it is `27.8353, 0.2586, 0.2460`.


Distribution




Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5494, 0.2384, 0.2141 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 21.5494, 0.2384, 0.2141 by changing the saturation by 10% instead.


 21.5494, 0.2384,
0.2141


 21.5494, 0.2384,
0.2141


260.1840, 0.2795,
0.2742


 13.5262, 0.2270,
0.1987


 46.0001, 0.2542,
0.2363

 7.7919, 0.2119,
0.1790


 63.1964, 0.2599,
0.2446

 3.9621, 0.1911,
0.1530


 84.2192, 0.2646,
0.2515

 1.6524, 0.1612,
0.1183

109.4528, 0.2685,
0.2574

 0.3925, 0.1185,
0.0604


139.2817, 0.2719,
0.2625


 0.0000, 0.0000,
0.0000


174.0903, 0.2748,


0.2669


214.2629, 0.2773,
0.2707


 21.5494, 0.2384,
0.2141


 21.5494, 0.2384,
0.2141


 16.3584, 0.2178,
0.1810


 27.8353, 0.2586,
0.2460


 12.1972, 0.1980,
0.1484


 35.2714, 0.2777,
0.2757


 8.9975, 0.1803,
0.1185


 43.9120, 0.2951,
0.3024

 6.6818, 0.1661,
0.0935


 53.8074, 0.3108,
0.3261

 5.1604, 0.1565,
0.0753

 65.0050, 0.3247,
0.3469

 4.3805, 0.1515,
0.0653

 77.5497, 0.3368,
0.3648

 91.4843, 0.3475,
0.3804

 96.7646, 0.3478,
0.3870

Harmonies

Analogous

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



21.5494, 0.1954, 0.2177



21.5494, 0.2384, 0.2141



21.5494, 0.3064, 0.2340

Triad

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



21.5494, 0.2384, 0.2141



21.5494, 0.4652, 0.3811



21.5494, 0.2367, 0.3931

Complementary

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



21.5494, 0.2384, 0.2141



49.3773, 0.3770, 0.4225

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.



21.5494, 0.3037, 0.4575



21.5494, 0.2384, 0.2141



21.5494, 0.4370, 0.4347

Square

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



21.5494, 0.2384, 0.2141



21.5494, 0.4471, 0.3246



21.5494, 0.3771, 0.4689



21.5494, 0.1935, 0.3109

Rectangle

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



21.5494, 0.2384, 0.2141



21.5494, 0.3595, 0.2582



21.5494, 0.3771, 0.4689



21.5494, 0.2571, 0.4190

Sweetspot

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



21.5502, 0.2384, 0.2141



78.0856, 0.2937, 0.3002



46.7440, 0.2614, 0.3405



16.2470, 0.2914, 0.2968



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.5502, 0.2384, 0.2141



30.0786, 0.2189, 0.1827



22.4969, 0.2667, 0.2127



9.8840, 0.2983, 0.3073



2.8697, 0.1518, 0.0664



0.1725, 0.1580, 0.0886

Inverse Universe

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



25.4088, 0.4080, 0.3199



38.4164, 0.4432, 0.3182



48.5596, 0.3453, 0.4406



10.0916, 0.3276, 0.3271



7.5719, 0.6292, 0.3240



0.3321, 0.5934, 0.3042

Previews

White Background



This preview shows how the Yxy color 21.5494, 0.2384, 0.2141 looks on a white background.

Color Contrast Check

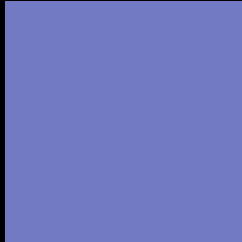
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5494, 0.2384, 0.2141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

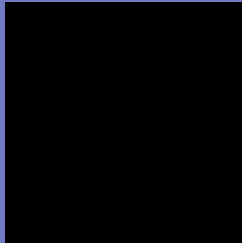
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.5494, 0.2384, 0.2141

Background



This preview shows how black text looks on a background with the Yxy color 21.5494, 0.2384, 0.2141.

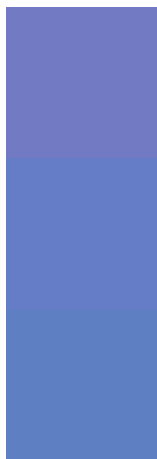


This preview shows how white text looks on a background with the Yxy color 21.5494, 0.2384, 0.2141.

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

21.5494, 0.2384, 0.2141

Protanopia

21.5575, 0.2266, 0.2123

Deuteranopia

21.5518, 0.2253, 0.2192



Tritanopia

21.6135, 0.2697, 0.3084

Trichromacy



Original Color

21.5494, 0.2384, 0.2141

Protanomaly

21.5567, 0.2305, 0.2129

Deuteranomaly

21.4321, 0.2297, 0.2172

Tritanomaly

21.4707, 0.2575, 0.2694

Monochromacy



Original Color

21.5494, 0.2384, 0.2141

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4326, 0.2815, 0.2822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5494, 0.2384, 0.2141 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(115, 122, 196) looks like.

```
.text, #text, p{  
    color:rgb(115, 122, 196)  
}
```

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(115, 122, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 122, 196) }
```

Border

The CSS property to change the border of an element to Yxy 21.5494, 0.2384, 0.2141 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(115, 122, 196) }
```

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

```
.border{ border-color:rgb(115, 122, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 122, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 122, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 122, 196);  
box-shadow:4px 4px 4px 4px rgb(115, 122,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5494, 0.2384, 0.2141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 122, 196) }
```

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

```
.background{ background-color: rgb(115,  
122, 196) }
```

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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