

Converting Colors

$Y_{xy}(21.0893, 0.2588, 0.2120)$

Have a look what the booklet for
Yxy(21.0893, 0.2588, 0.2120)
contains.

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Color

Yxy(21.0746, 0.2585, 0.2121)

Conversions

Conversions Part 1

Format	Color
Hex	8872C0
RGB	136, 114, 192
RGB Percent	53%, 45%, 75%
CMY	0.4668, 0.5529, 0.2469
CMYK	0.29, 0.41, 0.00, 0.25
HSL	257°, 38%, 60%
HSV	257°, 41%, 75%
XYZ	25.6850, 21.0746, 52.6020
YIQ	129.4700, -11.9260, 28.9220

Conversions

Conversions Part 2

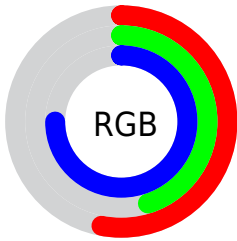
Format	Color
R_{YB}	136, 114, 192
Decimal	8942272
CIE _{Lab}	53.03, 25.71, -37.91
CIE _{LCh}	53, 45.809, 304.144
Yxy	21.0746, 0.2585, 0.2121
Android (android.graphics.Color)	4287132352 (0xFF8872C0)
YUV	129.4700, 30.8273, 5.7268
Hunter-Lab	45.9071, 19.5332, -35.8017

Details

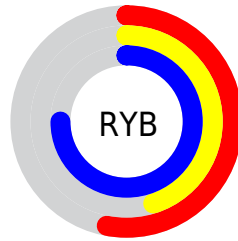
The Yxy color **21.0746, 0.2585, 0.2121** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **47.4815, 0.3530, 0.4355**, and the grayscale version is **22.0190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1884, 0.2706, 0.2341**, and **7.6162, 0.2382, 0.1780** is the 20% darker color. If you saturate the color by 10%, you get **16.1069, 0.2415, 0.1797**, and if you desaturate by 10%, it is **27.1020, 0.2743, 0.2440**.

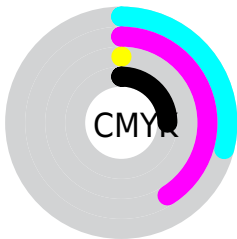
Distribution



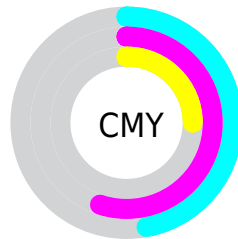
- Red (53%)
- Green (45%)
- Blue (75%)



- Red (53%)
- Yellow (45%)
- Blue (75%)



- Cyan (29%)
- Magenta (41%)
- Yellow (0%)
- Black (25%)




- Cyan (47%)
- Magenta (55%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0746, 0.2585, 0.2121 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 21.0746, 0.2585, 0.2121 by changing the saturation by 10% instead.


 21.0746, 0.2585,
0.2121


 21.0746, 0.2585,
0.2121


257.6747, 0.2894,
0.2727


 13.1785, 0.2496,
0.1967

 45.2117, 0.2707,
0.2344

 7.5516, 0.2374,
0.1770


 62.2214, 0.2750,
0.2427

 3.8094, 0.2201,
0.1511

 83.0379, 0.2785,
0.2497

 1.5675, 0.1942,
0.1166

 108.0455, 0.2814,
0.2557

 0.3356, 0.1559,
0.0550

137.6286, 0.2839,
0.2608

 0.0000, 0.0000,
0.0000

172.1715, 0.2860,

0.2653

212.0588, 0.2878,
0.2692

■ 21.0746, 0.2585,
0.2121

■ 21.0746, 0.2585,
0.2121

■ 16.1069, 0.2415,
0.1797

■ 27.1020, 0.2743,
0.2440

■ 12.1334, 0.2241,
0.1485

■ 34.2443, 0.2886,
0.2742

■ 9.0851, 0.2069,
0.1203

■ 42.5559, 0.3011,
0.3022

■ 6.8827, 0.1912,
0.0970

■ 52.0868, 0.3121,
0.3275

■ 5.4328, 0.1778,
0.0801

■ 62.8840, 0.3215,
0.3501

■ 4.5936, 0.1678,
0.0698

■ 74.9920, 0.3294,
0.3702

■ 88.4532, 0.3362,
0.3879

■ 94.9821, 0.3443,
0.3921

■ 96.5872, 0.3502,
0.3909

Harmonies

Analogous

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



21.0746, 0.2018, 0.2054



21.0746, 0.2585, 0.2121



21.0746, 0.3391, 0.2417

Triad

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



21.0746, 0.2585, 0.2121



21.0746, 0.4697, 0.4066



21.0746, 0.2090, 0.3625

Complementary

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



21.0746, 0.2585, 0.2121



47.4815, 0.3530, 0.4355

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.



21.0746, 0.2719, 0.4474



21.0746, 0.2585, 0.2121



21.0746, 0.4228, 0.4600

Square

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



21.0746, 0.2585, 0.2121



21.0746, 0.4718, 0.3464



21.0746, 0.3502, 0.4832



21.0746, 0.1759, 0.2786

Rectangle

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



21.0746, 0.2585, 0.2121



21.0746, 0.3961, 0.2718



21.0746, 0.3502, 0.4832



21.0746, 0.2270, 0.3933

Sweetspot

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



21.0754, 0.2585, 0.2121



74.5885, 0.2993, 0.2980



36.5961, 0.2526, 0.2976



15.5603, 0.2977, 0.2944



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.0754, 0.2585, 0.2121



29.8651, 0.2430, 0.1825



24.8218, 0.2976, 0.2242



9.8822, 0.3026, 0.3055



3.1242, 0.1689, 0.0704



0.1709, 0.1942, 0.0843

Inverse Universe

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



26.1511, 0.3419, 0.2553



40.5283, 0.3509, 0.2396



43.8514, 0.3208, 0.4474



10.1976, 0.3180, 0.3126



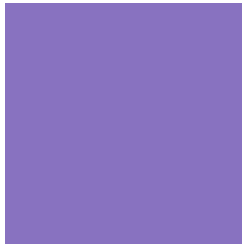
8.7880, 0.4067, 0.2014



0.3910, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 21.0746, 0.2585, 0.2121 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 21.0746, 0.2585, 0.2121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

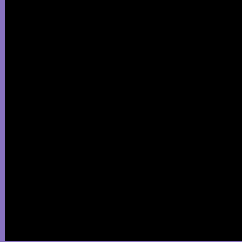
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0746, 0.2585, 0.2121

Background



This preview shows how black text looks on a background with the Yxy color 21.0746, 0.2585, 0.2121.



This preview shows how white text looks on a background with the Yxy color 21.0746, 0.2585, 0.2121.

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

21.0746, 0.2585, 0.2121

Protanopia

21.2290, 0.2230, 0.2078

Deuteranopia

21.2361, 0.2301, 0.2243



Tritanopia

21.0593, 0.3007, 0.3110

Trichromacy



Original Color

21.0746, 0.2585, 0.2121

Protanomaly

20.9549, 0.2341, 0.2079

Deuteranomaly

21.1254, 0.2393, 0.2193

Tritanomaly

20.9865, 0.2846, 0.2713

Monochromacy



Original Color

21.0746, 0.2585, 0.2121

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5878, 0.2920, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0746, 0.2585, 0.2121 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(136, 114, 192)` looks like.

```
.text, #text, p{  
    color:rgb(136, 114, 192)  
}
```

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(136, 114, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 114, 192) }
```

Border

The CSS property to change the border of an element to Yxy 21.0746, 0.2585, 0.2121 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(136, 114, 192) }
```

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

```
.border{ border-color:rgb(136, 114, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 114, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 114, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 114, 192);  
box-shadow:4px 4px 4px 4px rgb(136, 114,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0746, 0.2585, 0.2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 114, 192) }
```

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

```
.background{ background-color: rgb(136,  
114, 192) }
```

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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