

Converting Colors

$Y_{xy}(123.5554, 0.2824, 0.4725)$

Have a look what the booklet for
Yxy(123.5554, 0.2824, 0.4725)
contains.

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Color

Yxy(78.6104, 0.2753, 0.4210)

Conversions

Conversions Part 1

Format	Color
Hex	74FFB6
RGB	116, 255, 182
RGB Percent	45%, 100%, 71%
CMY	0.5451, 0.0000, 0.2864
CMYK	0.55, 0.00, 0.29, 0.00
HSL	148°, 100%, 73%
HSV	148°, 55%, 100%
XYZ	51.4049, 78.6104, 56.7078
YIQ	205.1170, -59.4110, -52.1710

Conversions

Conversions Part 2

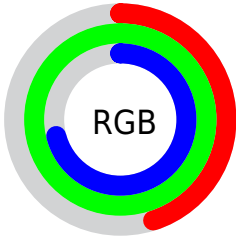
Format	Color
RYB	116, 210, 255
Decimal	7667638
CIELab	91.06, -54.08, 23.67
CIELCh	91, 59.036, 156.363
Yxy	78.6104, 0.2753, 0.4210
Android (android.graphics.Color)	4285857718 (0xFF74FFB6)
YUV	205.1170, -11.3967, -78.1556
Hunter-Lab	88.6625, -51.6684, 24.1424

Details

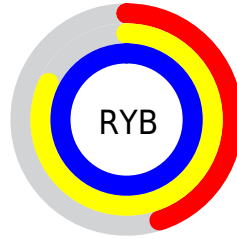
The Yxy color **78.6104, 0.2753, 0.4210** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **37.4287, 0.3869, 0.2555**, and the grayscale version is **61.2310, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9232, 0.2763, 0.3476**, and **42.1459, 0.2651, 0.4442** is the 20% darker color. If you saturate the color by 10%, you get **76.5683, 0.2720, 0.4417**, and if you desaturate by 10%, it is **81.1848, 0.2802, 0.4010**.

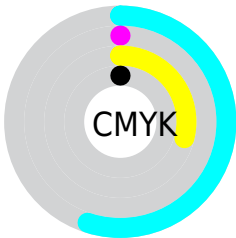
Distribution



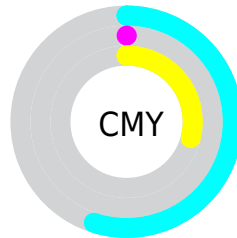
- Red (45%)
- Green (100%)
- Blue (71%)



- Red (45%)
- Yellow (82%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.6104, 0.2753, 0.4210 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 78.6104, 0.2753, 0.4210 by changing the saturation by 10% instead.


 78.6104, 0.2753,
0.4210


 78.6104, 0.2753,
0.4210


490.2373, 0.2937,
0.3764

 58.5755, 0.2709,
0.4317


 131.4102, 0.2819,
0.4051

 42.2715, 0.2652,
0.4451


 164.9440, 0.2844,
0.3991

 29.3140, 0.2579,
0.4625


 203.7462, 0.2865,
0.3939

 19.3185, 0.2481,
0.4859

248.2012, 0.2883,
0.3894

 11.9006, 0.2340,
0.5187

298.6934, 0.2899,
0.3855

 6.6760, 0.2128,
0.5676


355.6073, 0.2913,


 3.2603, 0.1779,


0.3821


0.6468

419.3271, 0.2925,
0.3791


 1.2691, 0.0000,
1.0000


 0.1171, 0.0000,
1.0000


 78.6104, 0.2753,
0.4210


 78.6104, 0.2753,
0.4210

 76.5683, 0.2720,
0.4417


 81.1848, 0.2802,
0.4010


 75.0170, 0.2706,
0.4626


 84.3289, 0.2864,
0.3822


 73.9080, 0.2712,
0.4831

 88.0763, 0.2934,
0.3648

 73.1823, 0.2737,
0.5025

 92.4581, 0.3011,
0.3491

 72.9013, 0.2757,
0.5126

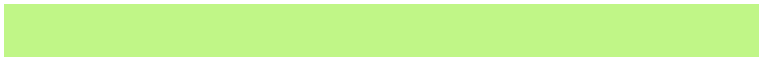
 97.5030, 0.3091,
0.3349

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



78.6104, 0.3416, 0.4554



78.6104, 0.2753, 0.4210



78.6104, 0.2225, 0.3520

Triad

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



78.6104, 0.2753, 0.4210



78.6104, 0.2211, 0.2230



78.6104, 0.4468, 0.3503

Complementary

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



78.6104, 0.2753, 0.4210



37.4287, 0.3869, 0.2555

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.



78.6104, 0.4077, 0.2996



78.6104, 0.2753, 0.4210



78.6104, 0.2722, 0.2299

Square

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



78.6104, 0.2753, 0.4210



78.6104, 0.1948, 0.2401



78.6104, 0.3408, 0.2571



78.6104, 0.4437, 0.4017

Rectangle

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



78.6104, 0.2753, 0.4210



78.6104, 0.2010, 0.3047



78.6104, 0.3408, 0.2571



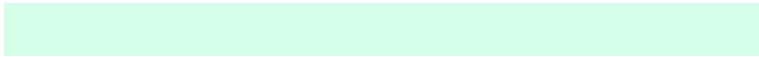
78.6104, 0.4382, 0.3329

Sweetspot

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



78.6103, 0.2753, 0.4210



91.7618, 0.2999, 0.3513



83.7462, 0.3470, 0.4828



19.4407, 0.2983, 0.3545



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.



78.6103, 0.2753, 0.4210



76.4804, 0.2719, 0.4428



82.1589, 0.2452, 0.3342



20.3117, 0.3051, 0.3418



38.1222, 0.2749, 0.5096



3.7337, 0.2689, 0.4882

Inverse Universe

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



37.4287, 0.3869, 0.2555



31.5941, 0.4090, 0.2452



35.1250, 0.4710, 0.3249



18.1465, 0.3211, 0.3166



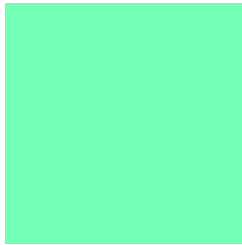
12.0382, 0.4857, 0.2449



1.1942, 0.4617, 0.2317

Previews

White Background



This preview shows how the Yxy color 78.6104, 0.2753, 0.4210 looks on a white background.

Color Contrast Check

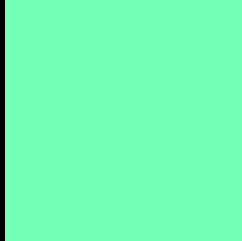
Large Text (above 18pt) WCAG AA × Fail

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 78.6104, 0.2753, 0.4210 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 ✓ Pass

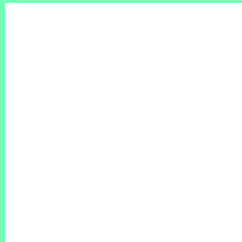
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.6104, 0.2753, 0.4210

Background



This preview shows how black text looks on a background with the Yxy color 78.6104, 0.2753, 0.4210.

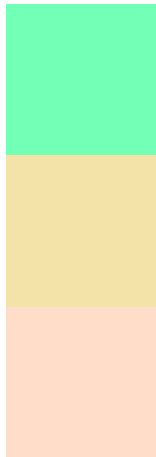


This preview shows how white text looks on a background with the Yxy color 78.6104, 0.2753, 0.4210.

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

78.6104, 0.2753, 0.4210

Protanopia

77.0358, 0.3641, 0.3899

Deuteranopia

77.1430, 0.3522, 0.3505



Tritanopia

77.9752, 0.2626, 0.3122

Trichromacy



Original Color

78.6104, 0.2753, 0.4210



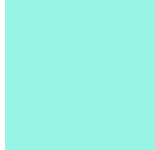
Protanomaly

75.4947, 0.3245, 0.4019



Deuteranomaly

74.9655, 0.3180, 0.3745



Tritanomaly

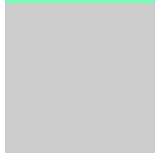
77.3903, 0.2670, 0.3489

Monochromacy



Original Color

78.6104, 0.2753, 0.4210



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6908, 0.2949, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.6104, 0.2753, 0.4210 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(116, 255, 182)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 182)  
}
```

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(116, 255, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 182) }
```

Border

The CSS property to change the border of an element to Yxy 78.6104, 0.2753, 0.4210 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(116, 255, 182) }
```

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

```
.border{ border-color:rgb(116, 255, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 182);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 78.6104, 0.2753, 0.4210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 182) }
```

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

```
.background{ background-color: rgb(116,  
255, 182) }
```

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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