

Converting Colors

$Y_{xy}(78.2100, 0.2785, 0.4317)$

Have a look what the booklet for
Yxy(78.2100, 0.2785, 0.4317)
contains.

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Color

Yxy(78.2208, 0.2786, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	73FFAE
RGB	115, 255, 174
RGB Percent	45%, 100%, 68%
CMY	0.5487, 0.0000, 0.3176
CMYK	0.55, 0.00, 0.32, 0.00
HSL	145°, 100%, 73%
HSV	145°, 55%, 100%
XYZ	50.4802, 78.2208, 52.4915
YIQ	203.9060, -57.4390, -54.8710

Conversions

Conversions Part 2

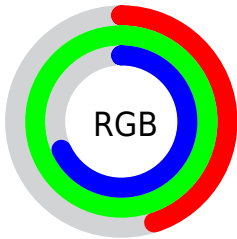
Format	Color
RYB	115, 213, 255
Decimal	7602094
CIELab	90.88, -55.78, 27.46
CIELCh	91, 62.168, 153.792
Yxy	78.2208, 0.2786, 0.4317
Android (android.graphics.Color)	4285792174 (0xFF73FFAE)
YUV	203.9060, -14.7437, -77.9706
Hunter-Lab	88.4425, -52.8922, 26.7206

Details

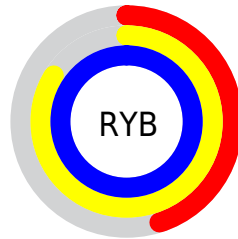
The Yxy color **78.2208, 0.2786, 0.4317** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **37.5294, 0.3789, 0.2479**, and the grayscale version is **60.4598, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4633, 0.2803, 0.3567**, and **41.8938, 0.2688, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **76.1817, 0.2758, 0.4546**, and if you desaturate by 10%, it is **80.8076, 0.2830, 0.4095**.

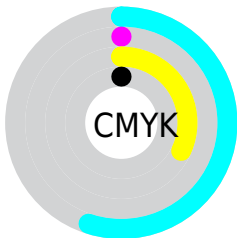
Distribution



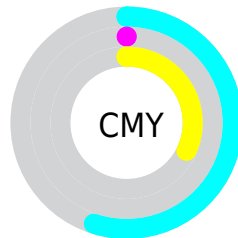
- Red (45%)
- Green (100%)
- Blue (68%)



- Red (45%)
- Yellow (84%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2208, 0.2786, 0.4317 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 78.2208, 0.2786, 0.4317 by changing the saturation by 10% instead.


 78.2208, 0.2786,
0.4317


 78.2208, 0.2786,
0.4317


488.9164, 0.2958,
0.3816


 58.2554, 0.2743,
0.4437


 130.8613, 0.2848,
0.4138

 42.0140, 0.2689,
0.4589


 164.3052, 0.2872,
0.4070

 29.1122, 0.2617,
0.4786

 203.0107, 0.2892,
0.4012

 19.1658, 0.2518,
0.5050

247.3623, 0.2909,
0.3962

 11.7901, 0.2375,
0.5421

297.7442, 0.2923,
0.3918

 6.6009, 0.2154,
0.5973


354.5409, 0.2936,


 3.2138, 0.1798,


0.3880


0.6916


418.1369, 0.2948,
0.3846


 1.2443, 0.0000,
1.0000


 0.0975, 0.0000,
1.0000

 78.2208, 0.2786,
0.4317


 78.2208, 0.2786,
0.4317

 76.1817, 0.2758,
0.4546

 80.8076, 0.2830,
0.4095


 74.6383, 0.2748,
0.4775

 83.9703, 0.2885,
0.3886


 73.5445, 0.2757,
0.4995

 87.7465, 0.2950,
0.3693

 72.8400, 0.2786,
0.5200

 92.1677, 0.3019,
0.3517

 72.5864, 0.2805,
0.5297

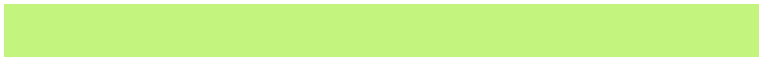
 97.2633, 0.3092,
0.3360

99.9962, 0.3127,
0.3290

Harmonies

Analogous

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



78.2208, 0.3485, 0.4634



78.2208, 0.2786, 0.4317



78.2208, 0.2216, 0.3598

Triad

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



78.2208, 0.2786, 0.4317



78.2208, 0.2133, 0.2185



78.2208, 0.4522, 0.3459

Complementary

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



78.2208, 0.2786, 0.4317



37.5294, 0.3789, 0.2479

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.



78.2208, 0.4076, 0.2936



78.2208, 0.2786, 0.4317



78.2208, 0.2644, 0.2239

Square

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



78.2208, 0.2786, 0.4317



78.2208, 0.1883, 0.2382



78.2208, 0.3356, 0.2506



78.2208, 0.4523, 0.4000

Rectangle

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



78.2208, 0.2786, 0.4317



78.2208, 0.1978, 0.3090



78.2208, 0.3356, 0.2506



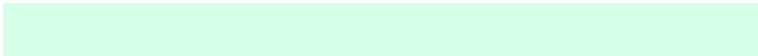
78.2208, 0.4419, 0.3279

Sweetspot

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



78.2240, 0.2786, 0.4317



91.6376, 0.3011, 0.3536



84.5861, 0.3518, 0.4814



19.4112, 0.2997, 0.3571



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.



78.2240, 0.2786, 0.4317



75.9864, 0.2756, 0.4572



81.6585, 0.2477, 0.3425



20.2951, 0.3058, 0.3431



37.9582, 0.2796, 0.5266



3.7171, 0.2734, 0.5042

Inverse Universe

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



37.5294, 0.3789, 0.2479



31.4931, 0.3993, 0.2360



35.0667, 0.4640, 0.3179



18.1634, 0.3203, 0.3153



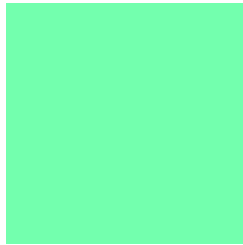
12.2497, 0.4632, 0.2325



1.2146, 0.4425, 0.2211

Previews

White Background



This preview shows how the Yxy color 78.2208, 0.2786, 0.4317 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 78.2208, 0.2786, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

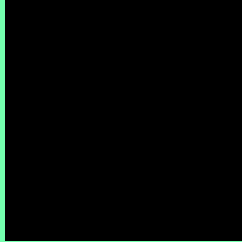
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.2208, 0.2786, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 78.2208, 0.2786, 0.4317.

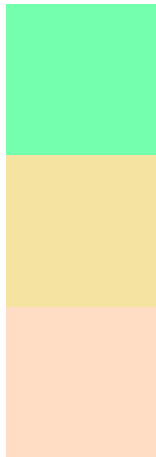


This preview shows how white text looks on a background with the Yxy color 78.2208, 0.2786, 0.4317.

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

78.2208, 0.2786, 0.4317

Protanopia

76.9593, 0.3696, 0.3970

Deuteranopia

76.9584, 0.3551, 0.3546



Tritanopia

77.7557, 0.2615, 0.3122

Trichromacy



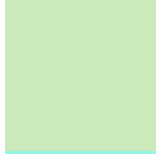
Original Color

78.2208, 0.2786, 0.4317



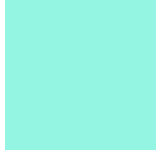
Protanomaly

75.3273, 0.3300, 0.4111



Deuteranomaly

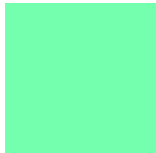
74.7460, 0.3211, 0.3803



Tritanomaly

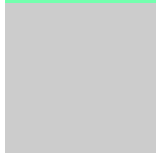
77.0917, 0.2670, 0.3513

Monochromacy



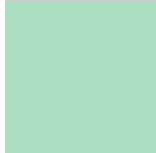
Original Color

78.2208, 0.2786, 0.4317



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

65.3963, 0.2967, 0.3659

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2208, 0.2786, 0.4317 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, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(115, 255, 174)  
}
```

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, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 78.2208, 0.2786, 0.4317 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, 255, 174) }
```

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

```
.border{ border-color:rgb(115, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(115, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2208, 0.2786, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 174) }
```

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

```
.background{ background-color: rgb(115,  
255, 174) }
```

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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