

Converting Colors

$Yxy(78.1543, 0.2490, 0.3208)$

Have a look what the booklet for
Yxy(78.1543, 0.2490, 0.3208)
contains.

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Color

Yxy(78.1543, 0.2490, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	87F6FD
RGB	135, 246, 253
RGB Percent	53%, 96%, 99%
CMY	0.4710, 0.0352, 0.0079
CMYK	0.47, 0.03, 0.00, 0.01
HSL	184°, 97%, 76%
HSV	184°, 47%, 99%
XYZ	60.6622, 78.1543, 104.8067
YIQ	213.6090, -68.4030, -21.3550

Conversions

Conversions Part 2

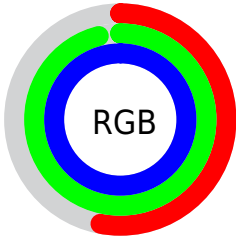
Format	Color
R _Y B	135, 192, 253
Decimal	8910589
CIE Lab	90.85, -30.07, -13.25
CIE LCh	91, 32.860, 203.776
Yxy	78.1543, 0.2490, 0.3208
Android (android.graphics.Color)	4287100669 (0xFF87F6FD)
YUV	213.6090, 19.4198, -68.9401
Hunter-Lab	88.4049, -32.2245, -8.4066

Details

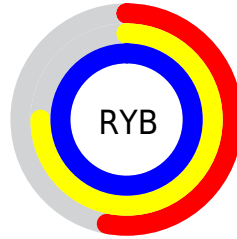
The Yxy color **78.1543, 0.2490, 0.3208** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **41.9320, 0.4377, 0.3366**, and the grayscale version is **66.8550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **41.7972, 0.2353, 0.3182** is the 20% darker color. If you saturate the color by 10%, you get **75.3996, 0.2394, 0.3188**, and if you desaturate by 10%, it is **81.4207, 0.2604, 0.3227**.

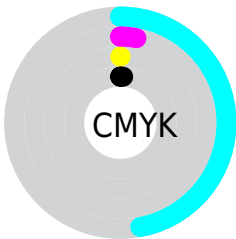
Distribution



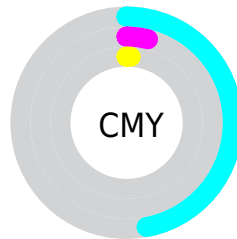
- Red (53%)
- Green (96%)
- Blue (99%)



- Red (53%)
- Yellow (75%)
- Blue (99%)



- Cyan (47%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)




- Cyan (47%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.1543, 0.2490, 0.3208 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 78.1543, 0.2490, 0.3208 by changing the saturation by 10% instead.


 78.1543, 0.2490,
0.3208


 78.1543, 0.2490,
0.3208

488.6907, 0.2774,
0.3253

 58.2007, 0.2428,
0.3196


 130.7676, 0.2587,
0.3225

 41.9701, 0.2352,
0.3181


 164.1962, 0.2625,
0.3231

 29.0778, 0.2258,
0.3161


202.8852, 0.2658,
0.3236

 19.1397, 0.2139,
0.3133

247.2190, 0.2687,
0.3240

 11.7713, 0.1984,
0.3092

297.5821, 0.2713,
0.3244

 6.5881, 0.1774,
0.3027

354.3588, 0.2736,

 3.2059, 0.1477,

0.3247

0.2917

417.9335, 0.2756,
0.3250

1.2401, 0.0902,
0.2743

0.0941, 0.0000,
0.0837

78.1543, 0.2490,
0.3208

78.1543, 0.2490,
0.3208

75.3996, 0.2394,
0.3188

81.4207, 0.2604,
0.3227

73.1116, 0.2317,
0.3168

85.2221, 0.2732,
0.3246

71.2527, 0.2259,
0.3148

89.5911, 0.2873,
0.3264

69.7751, 0.2221,
0.3127

94.5554, 0.3023,
0.3280

68.6187, 0.2200,
0.3108

98.9086, 0.3139,
0.3295

68.2754, 0.2195,
0.3101

99.8574, 0.3139,
0.3309

99.8712, 0.3139,
0.3309

Harmonies

Analogous

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



78.1543, 0.2733, 0.3585



78.1543, 0.2490, 0.3208



78.1543, 0.2411, 0.2886

Triad

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



78.1543, 0.2490, 0.3208



78.1543, 0.3127, 0.2782



78.1543, 0.3772, 0.3878

Complementary

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



78.1543, 0.2490, 0.3208



41.9320, 0.4377, 0.3366

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.



78.1543, 0.3899, 0.3624



78.1543, 0.2490, 0.3208



78.1543, 0.3516, 0.3011

Square

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



78.1543, 0.2490, 0.3208



78.1543, 0.2761, 0.2668



78.1543, 0.3806, 0.3312



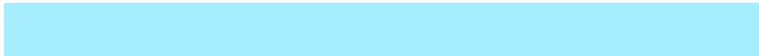
78.1543, 0.3471, 0.3986

Rectangle

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



78.1543, 0.2490, 0.3208



78.1543, 0.2455, 0.2744



78.1543, 0.3806, 0.3312



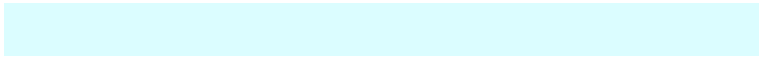
78.1543, 0.3837, 0.3805

Sweetspot

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



78.1573, 0.2490, 0.3208



92.5098, 0.2913, 0.3268



77.3032, 0.3031, 0.4696



19.5771, 0.2881, 0.3264



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

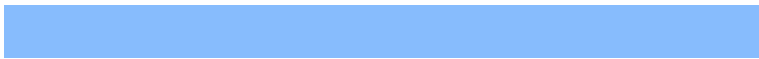
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1573, 0.2490, 0.3208



76.9386, 0.2400, 0.3189



48.2153, 0.2359, 0.2489



20.2869, 0.2980, 0.3275



36.4005, 0.2196, 0.3105



3.5978, 0.2202, 0.3127

Inverse Universe

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



44.8339, 0.3241, 0.2208



39.5816, 0.3266, 0.2027



63.8644, 0.4065, 0.3964



18.2808, 0.3147, 0.3069



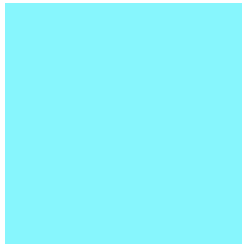
14.4026, 0.3363, 0.1626



1.4077, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 78.1543, 0.2490, 0.3208 looks on a white background.

Color Contrast Check

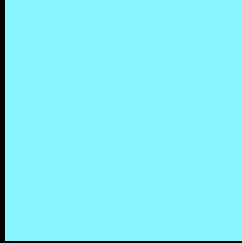
Large Text (above 18pt) WCAG AA × Fail

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 78.1543, 0.2490, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

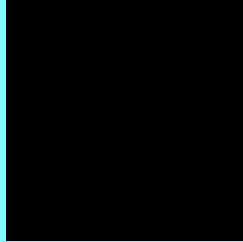
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.1543, 0.2490, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 78.1543, 0.2490, 0.3208.

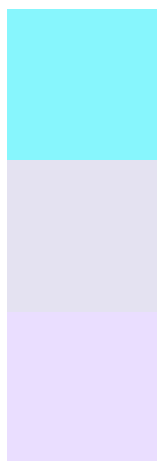


This preview shows how white text looks on a background with the Yxy color 78.1543, 0.2490, 0.3208.

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

78.1543, 0.2490, 0.3208

Protanopia

77.2376, 0.3046, 0.3134

Deuteranopia

76.9550, 0.2999, 0.2955



Tritanopia

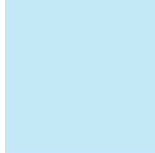
77.8650, 0.2620, 0.3122

Trichromacy



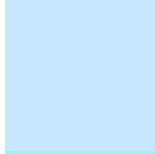
Original Color

78.1543, 0.2490, 0.3208



Protanomaly

76.3397, 0.2807, 0.3158



Deuteranomaly

76.3134, 0.2780, 0.3042



Tritanomaly

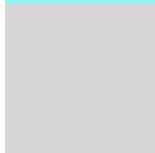
77.7279, 0.2570, 0.3153

Monochromacy



Original Color

78.1543, 0.2490, 0.3208



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.3084, 0.2843, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1543, 0.2490, 0.3208 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(135, 246, 253)` looks like.

```
.text, #text, p{  
    color:rgb(135, 246, 253)  
}
```

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(135, 246, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 246, 253) }
```

Border

The CSS property to change the border of an element to Yxy 78.1543, 0.2490, 0.3208 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(135, 246, 253) }
```

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

```
.border{ border-color:rgb(135, 246, 253) }
```

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

Here you see how a box with a 4 pixel rgb(135, 246, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 246, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 246, 253);  
box-shadow:4px 4px 4px 4px rgb(135, 246,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1543, 0.2490, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 246, 253) }
```

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

```
.background{ background-color: rgb(135,  
246, 253) }
```

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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