

Converting Colors

$Yxy(78.8557, 0.2285, 0.3288)$

Have a look what the booklet for
Yxy(78.8557, 0.2285, 0.3288)
contains.

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Color

Yxy(78.7694, 0.2285, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	34FEFE
RGB	52, 254, 254
RGB Percent	20%, 100%, 100%
CMY	0.7962, 0.0039, 0.0040
CMYK	0.80, 0.00, 0.00, 0.00
HSL	180°, 99%, 60%
HSV	180°, 80%, 100%
XYZ	54.7409, 78.7694, 106.0560
YIQ	193.6020, -120.3920, -42.8240

Conversions

Conversions Part 2

Format	Color
R _{YB}	52, 153, 254
Decimal	3473150
CIE _{Lab}	91.13, -45.77, -13.55
CIE _{LCh}	91, 47.728, 196.490
Y _{xy}	78.7694, 0.2285, 0.3288
Android (android.graphics.Color)	4281663230 (0xFF34FEFE)
YUV	193.6020, 29.7762, -124.1850
Hunter-Lab	88.7521, -45.2203, -8.7232

Details

The Yxy color **78.7694, 0.2285, 0.3288** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.7734, 0.5927, 0.3298**, and the grayscale version is **53.5698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **43.9637, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **78.2700, 0.2259, 0.3288**, and if you desaturate by 10%, it is **79.6366, 0.2330, 0.3288**.

Distribution



- Red (20%)
- Green (100%)
- Blue (100%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7694, 0.2285, 0.3288 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 78.7694, 0.2285, 0.3288 by changing the saturation by 10% instead.

 78.7694, 0.2285,
0.3288


 78.7694, 0.2285,
0.3288


490.7759, 0.2657,
0.3301


 58.7062, 0.2204,
0.3282


 131.6342, 0.2411,
0.3295

 42.3767, 0.2107,
0.3274


 165.2046, 0.2461,
0.3297

 29.3964, 0.1988,
0.3261


 204.0462, 0.2504,
0.3298

 19.3809, 0.1838,
0.3242

 248.5433, 0.2542,
0.3299

 11.9458, 0.1646,
0.3210

299.0805, 0.2576,
0.3300

 6.7068, 0.1394,
0.3153

356.0421, 0.2606,

 3.2794, 0.1054,

0.3301

419.8124, 0.2633,
0.3301

0.3046

1.2793, 0.0125,
0.2961

0.1251, 0.0000,
0.1031

78.7694, 0.2285,
0.3288

78.7694, 0.2285,
0.3288

78.2700, 0.2259,
0.3288

79.6366, 0.2330,
0.3288

78.0501, 0.2247,
0.3288

80.9137, 0.2394,
0.3288

78.0425, 0.2247,
0.3288

82.6464, 0.2477,
0.3288

84.8723, 0.2580,
0.3289

87.6249, 0.2699,
0.3289

90.9349, 0.2834,
0.3289

94.8307, 0.2980,
0.3290

99.3059, 0.3133,
0.3290

99.3063, 0.3133,
0.3290

Harmonies

Analogous

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



78.7694, 0.2666, 0.3854



78.7694, 0.2285, 0.3288



78.7694, 0.2125, 0.2790

Triad

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



78.7694, 0.2285, 0.3288



78.7694, 0.2981, 0.2525



78.7694, 0.4120, 0.4035

Complementary

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



78.7694, 0.2285, 0.3288



23.7734, 0.5927, 0.3298

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.



78.7694, 0.4244, 0.3633



78.7694, 0.2285, 0.3288



78.7694, 0.3553, 0.2805

Square

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



78.7694, 0.2285, 0.3288



78.7694, 0.2497, 0.2409



78.7694, 0.4034, 0.3197



78.7694, 0.3726, 0.4287

Rectangle

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



78.7694, 0.2285, 0.3288



78.7694, 0.2149, 0.2565



78.7694, 0.4034, 0.3197



78.7694, 0.4197, 0.3911

Sweetspot

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



78.7723, 0.2285, 0.3288



90.1821, 0.2772, 0.3289



71.9588, 0.3018, 0.5768



19.0535, 0.2725, 0.3289



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.



78.7723, 0.2285, 0.3288



78.8204, 0.2251, 0.3288



31.7815, 0.1938, 0.1970



20.4814, 0.2980, 0.3290



41.1416, 0.2247, 0.3288



4.0058, 0.2247, 0.3288

Inverse Universe

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



23.7734, 0.5927, 0.3298



21.5700, 0.6341, 0.3299



43.0116, 0.5026, 0.4130



17.9872, 0.3295, 0.3290



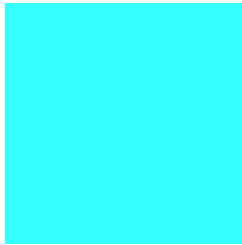
11.1089, 0.6401, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 78.7694, 0.2285, 0.3288 looks on a white background.

Color Contrast Check

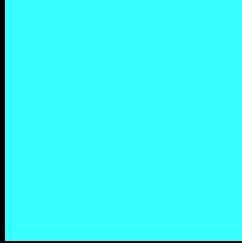
Large Text (above 18pt) WCAG AA × Fail

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 78.7694, 0.2285, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

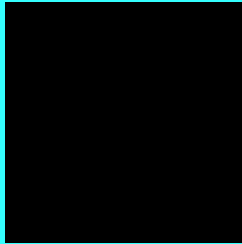
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7694, 0.2285, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 78.7694, 0.2285, 0.3288.

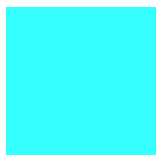


This preview shows how white text looks on a background with the Yxy color 78.7694, 0.2285, 0.3288.

Color Blindness Simulation

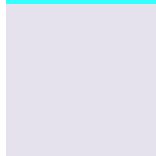
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

78.7694, 0.2285, 0.3288



Protanopia

77.1652, 0.3078, 0.3175



Deuteranopia

77.1512, 0.2986, 0.2964



Tritanopia

77.8924, 0.2570, 0.3142

Trichromacy



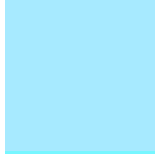
Original Color

78.7694, 0.2285, 0.3288



Protanomaly

74.4613, 0.2658, 0.3209



Deuteranomaly

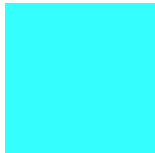
74.2811, 0.2606, 0.3053



Tritanomaly

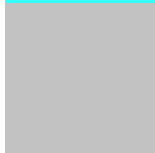
77.0535, 0.2421, 0.3183

Monochromacy



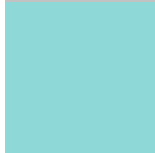
Original Color

78.7694, 0.2285, 0.3288



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.8204, 0.2645, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7694, 0.2285, 0.3288 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(52, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(52, 254, 254)  
}
```

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(52, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 254, 254) }
```

Border

The CSS property to change the border of an element to Yxy 78.7694, 0.2285, 0.3288 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(52, 254, 254) }
```

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

```
.border{ border-color:rgb(52, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(52, 254,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7694, 0.2285, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 254, 254) }
```

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

```
.background{ background-color: rgb(52, 254,  
254) }
```

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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