

Converting Colors

$Y_{xy}(77.9483, 0.2276, 0.3259)$

Have a look what the booklet for
Yxy(77.9483, 0.2276, 0.3259)
contains.

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Color

Yxy(78.1744, 0.2277, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	33FDFF
RGB	51, 253, 255
RGB Percent	20%, 99%, 100%
CMY	0.8000, 0.0078, 0.0001
CMYK	0.80, 0.01, 0.00, 0.00
HSL	181°, 100%, 60%
HSV	181°, 80%, 100%
XYZ	54.5353, 78.1744, 106.7952
YIQ	192.8300, -121.0340, -42.2020

Conversions

Conversions Part 2

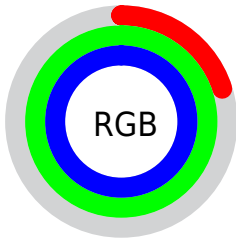
Format	Color
RYB	51, 152, 255
Decimal	3407359
CIELab	90.86, -45.12, -14.47
CIELCh	91, 47.386, 197.784
Yxy	78.1744, 0.2277, 0.3264
Android (android.graphics.Color)	4281597439 (0xFF33FDFF)
YUV	192.8300, 30.6498, -124.3849
Hunter-Lab	88.4163, -44.6295, -9.7231

Details

The Yxy color **78.1744, 0.2277, 0.3264** 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 **24.0348, 0.5934, 0.3309**, and the grayscale version is **53.0920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.5571, 0.2238, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **77.5321, 0.2250, 0.3261**, and if you desaturate by 10%, it is **79.1852, 0.2322, 0.3267**.

Distribution



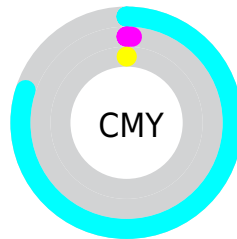
- Red (20%)
- Green (99%)
- Blue (100%)



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



- Cyan (80%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.1744, 0.2277, 0.3264 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 78.1744, 0.2277, 0.3264 by changing the saturation by 10% instead.


 78.1744, 0.2277,
0.3264


 78.1744, 0.2277,
0.3264


488.7589, 0.2653,
0.3288


 58.2173, 0.2196,
0.3256


 130.7959, 0.2404,
0.3275

 41.9833, 0.2098,
0.3244

 164.2291, 0.2454,
0.3278

 29.0882, 0.1977,
0.3227


 202.9231, 0.2498,
0.3281

 19.1476, 0.1826,
0.3202

 247.2623, 0.2537,
0.3283

 11.7770, 0.1633,
0.3163

297.6311, 0.2571,
0.3285

 6.5920, 0.1378,
0.3096

354.4138, 0.2601,

 3.2083, 0.1037,

0.3286

0.2973

417.9950, 0.2628,
0.3288

■ 1.2414, 0.0095,
0.2861

■ 0.0951, 0.0000,
0.0781

■ 78.1744, 0.2277,
0.3264

■ 78.1744, 0.2277,
0.3264

■ 77.5321, 0.2250,
0.3261


■ 79.1852, 0.2322,
0.3267

■ 77.1646, 0.2238,
0.3258

■ 80.6075, 0.2386,
0.3271

■ 82.4880, 0.2470,
0.3274

■ 84.8646, 0.2573,
0.3277

 87.7713, 0.2692,
0.3281

 91.2393, 0.2827,
0.3284

 95.2972, 0.2973,
0.3287

99.9717, 0.3127,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



78.1744, 0.2648, 0.3828



78.1744, 0.2277, 0.3264



78.1744, 0.2127, 0.2775

Triad

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



78.1744, 0.2277, 0.3264



78.1744, 0.3006, 0.2537



78.1744, 0.4104, 0.4047

Complementary

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



78.1744, 0.2277, 0.3264



24.0348, 0.5934, 0.3309

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.



78.1744, 0.4240, 0.3651



78.1744, 0.2277, 0.3264



78.1744, 0.3576, 0.2822

Square

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



78.1744, 0.2277, 0.3264



78.1744, 0.2517, 0.2413



78.1744, 0.4045, 0.3216



78.1744, 0.3703, 0.4287

Rectangle

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



78.1744, 0.2277, 0.3264



78.1744, 0.2158, 0.2557



78.1744, 0.4045, 0.3216



78.1744, 0.4184, 0.3926

Sweetspot

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



78.1773, 0.2277, 0.3264



89.8081, 0.2771, 0.3283



72.4429, 0.3010, 0.5782



18.9616, 0.2724, 0.3282



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.



78.1773, 0.2277, 0.3264



77.3134, 0.2242, 0.3259



30.6973, 0.1920, 0.1914



20.4497, 0.2980, 0.3287



40.3450, 0.2238, 0.3258



3.9375, 0.2239, 0.3262

Inverse Universe

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



30.7133, 0.3224, 0.1646



28.5508, 0.3232, 0.1563



44.2688, 0.5003, 0.4162



18.2972, 0.3140, 0.3058



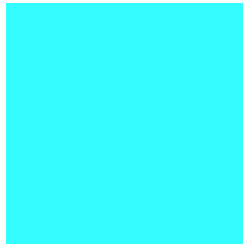
14.8008, 0.3233, 0.1555



1.4420, 0.3230, 0.1553

Previews

White Background



This preview shows how the Yxy color 78.1744, 0.2277, 0.3264 looks on a white background.

Color Contrast Check

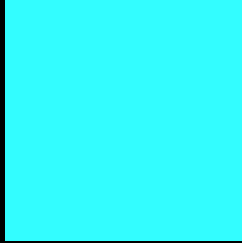
Large Text (above 18pt) WCAG AA × Fail

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 78.1744, 0.2277, 0.3264 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

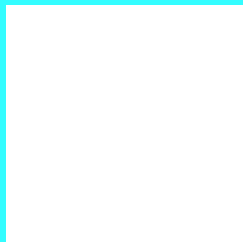
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.1744, 0.2277, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 78.1744, 0.2277, 0.3264.

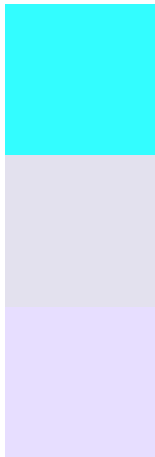


This preview shows how white text looks on a background with the Yxy color 78.1744, 0.2277, 0.3264.

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

78.1744, 0.2277, 0.3264

Protanopia

76.3544, 0.3058, 0.3154

Deuteranopia

76.4515, 0.2979, 0.2953



Tritanopia

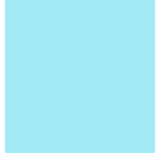
77.5943, 0.2556, 0.3142

Trichromacy



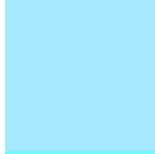
Original Color

78.1744, 0.2277, 0.3264



Protanomaly

73.7348, 0.2641, 0.3185



Deuteranomaly

73.6048, 0.2600, 0.3041



Tritanomaly

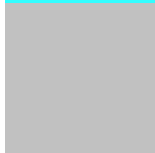
76.9134, 0.2414, 0.3183

Monochromacy



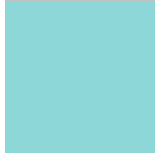
Original Color

78.1744, 0.2277, 0.3264



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.2215, 0.2637, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.1744, 0.2277, 0.3264 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(51, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 253, 255)  
}
```

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(51, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.1744, 0.2277, 0.3264 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(51, 253, 255) }
```

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

```
.border{ border-color:rgb(51, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(51, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.1744, 0.2277, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 253, 255) }
```

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

```
.background{ background-color: rgb(51, 253,  
255) }
```

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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