

Converting Colors

$Y_{xy}(100.0000, 0.1955, 0.2181)$

Have a look what the booklet for
Yxy(100.0000, 0.1955, 0.2181)
contains.

Yxy(79.3208, 0.2277, 0.3287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.3208, 0.2277, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	2EFFFF
RGB	46, 255, 255
RGB Percent	18%, 100%, 100%
CMY	0.8187, 0.0000, 0.0000
CMYK	0.82, 0.00, 0.00, 0.00
HSL	180°, 100%, 59%
HSV	180°, 82%, 100%
XYZ	54.9478, 79.3208, 107.0481
YIQ	192.5090, -124.5640, -44.3080

Conversions

Conversions Part 2

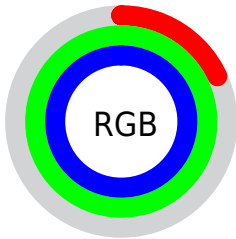
Format	Color
RYB	46, 151, 255
Decimal	3080191
CIELab	91.38, -46.32, -13.73
CIElCh	91, 48.310, 196.516
Yxy	79.3208, 0.2277, 0.3287
Android (android.graphics.Color)	4281270271 (0xFF2EFFFF)
YUV	192.5090, 30.8081, -128.4884
Hunter-Lab	89.0622, -45.7316, -8.9199

Details

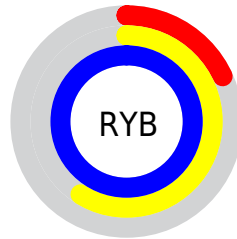
The Yxy color **79.3208, 0.2277, 0.3287** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.4320, 0.6014, 0.3299**, and the grayscale version is **52.9366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.8913, 0.2255, 0.3287**, and if you desaturate by 10%, it is **80.1035, 0.2317, 0.3288**.

Distribution



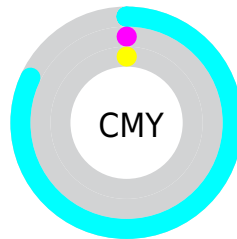
- Red (18%)
- Green (100%)
- Blue (100%)



- Red (18%)
- Yellow (59%)
- Blue (100%)



- Cyan (82%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (82%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3208, 0.2277, 0.3287 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 79.3208, 0.2277, 0.3287 by changing the saturation by 10% instead.


 79.3208, 0.2277,
0.3287


 79.3208, 0.2277,
0.3287


492.6409, 0.2652,
0.3301


 59.1596, 0.2196,
0.3281

 132.4104, 0.2403,
0.3294

 42.7416, 0.2098,
0.3273


 166.1076, 0.2454,
0.3296

 29.6824, 0.1978,
0.3260


 205.0855, 0.2498,
0.3298

 19.5977, 0.1828,
0.3240

 249.7287, 0.2536,
0.3299

 12.1029, 0.1636,
0.3207

300.4214, 0.2570,
0.3300

 6.8138, 0.1384,
0.3150


357.5481, 0.2600,


 3.3459, 0.1046,

0.3300

421.4931, 0.2628,
0.3301


0.3042


 1.3149, 0.0149,
0.2947


 0.1527, 0.0000,
0.1185

 79.3208, 0.2277,
0.3287


 79.3208, 0.2277,
0.3287


 78.8913, 0.2255,
0.3287

 80.1035, 0.2317,
0.3288

 78.7343, 0.2247,
0.3287

 81.2908, 0.2377,
0.3288

 82.9285, 0.2456,
0.3288

 85.0554, 0.2554,
0.3288

87.7064, 0.2670,
0.3289

90.9130, 0.2801,
0.3289

94.7042, 0.2945,
0.3289

99.1072, 0.3098,
0.3290

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.



79.3208, 0.2661, 0.3859



79.3208, 0.2277, 0.3287



79.3208, 0.2116, 0.2784

Triad

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



79.3208, 0.2277, 0.3287



79.3208, 0.2980, 0.2519



79.3208, 0.4129, 0.4042

Complementary

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



79.3208, 0.2277, 0.3287



23.4320, 0.6014, 0.3299

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.



79.3208, 0.4255, 0.3636



79.3208, 0.2277, 0.3287



79.3208, 0.3558, 0.2801

Square

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



79.3208, 0.2277, 0.3287



79.3208, 0.2491, 0.2401



79.3208, 0.4043, 0.3196



79.3208, 0.3731, 0.4297

Rectangle

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



79.3208, 0.2277, 0.3287



79.3208, 0.2140, 0.2558



79.3208, 0.4043, 0.3196



79.3208, 0.4207, 0.3916

Sweetspot

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



79.3217, 0.2277, 0.3287



89.8474, 0.2759, 0.3289



72.3054, 0.3009, 0.5817



18.9895, 0.2712, 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.



79.3217, 0.2277, 0.3287



78.7674, 0.2248, 0.3287



29.8165, 0.1902, 0.1878



20.4814, 0.2980, 0.3290



41.1404, 0.2247, 0.3287



4.0057, 0.2247, 0.3287

Inverse Universe

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



30.4519, 0.3206, 0.1620



28.5902, 0.3209, 0.1546



43.4693, 0.5050, 0.4162



18.3004, 0.3138, 0.3056



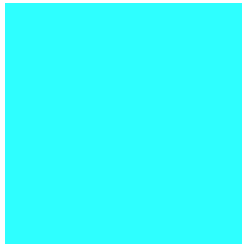
14.8811, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 79.3208, 0.2277, 0.3287 looks on a white background.

Color Contrast Check

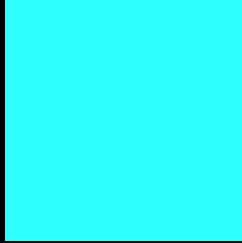
Large Text (above 18pt) WCAG AA × Fail

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 79.3208, 0.2277, 0.3287 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

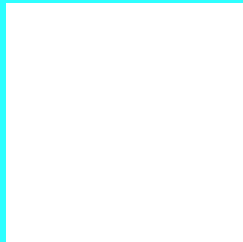
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3208, 0.2277, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 79.3208, 0.2277, 0.3287.

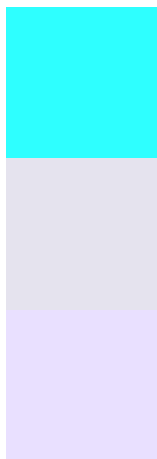


This preview shows how white text looks on a background with the Yxy color 79.3208, 0.2277, 0.3287.

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

79.3208, 0.2277, 0.3287

Protanopia

77.7692, 0.3071, 0.3175

Deuteranopia

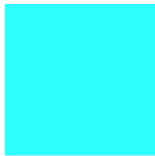
77.8549, 0.2993, 0.2975



Tritanopia

78.1978, 0.2584, 0.3143

Trichromacy



Original Color

79.3208, 0.2277, 0.3287



Protanomaly

74.8866, 0.2644, 0.3209



Deuteranomaly

74.6360, 0.2598, 0.3064



Tritanomaly

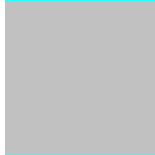
77.6635, 0.2424, 0.3195

Monochromacy



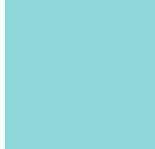
Original Color

79.3208, 0.2277, 0.3287



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.6451, 0.2634, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3208, 0.2277, 0.3287 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(46, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(46, 255, 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(46, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.3208, 0.2277, 0.3287 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(46, 255, 255) }
```

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

```
.border{ border-color:rgb(46, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(46, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3208, 0.2277, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 255, 255) }
```

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

```
.background{ background-color: rgb(46, 255,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor