

Converting Colors

$Y_{xy}(78.3555, 0.2257, 0.3275)$

Have a look what the booklet for
Yxy(78.3555, 0.2257, 0.3275)
contains.

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Color

Yxy(78.3648, 0.2257, 0.3275)

Conversions

Conversions Part 1

Format	Color
Hex	1DFEFF
RGB	29, 254, 255
RGB Percent	11%, 100%, 100%
CMY	0.8854, 0.0039, 0.0000
CMYK	0.89, 0.00, 0.00, 0.00
HSL	180°, 100%, 56%
HSV	180°, 89%, 100%
XYZ	54.0059, 78.3648, 106.9111
YIQ	186.8390, -134.4210, -47.3890

Conversions

Conversions Part 2

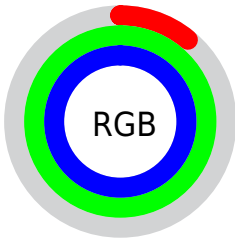
Format	Color
R _Y B	29, 142, 255
Decimal	1965823
CIE Lab	90.95, -46.84, -14.40
CIE LCh	91, 49.006, 197.083
Yxy	78.3648, 0.2257, 0.3275
Android (android.graphics.Color)	4280155903 (0xFF1DFF)
YUV	186.8390, 33.6034, -138.4248
Hunter-Lab	88.5239, -46.0190, -9.6384

Details

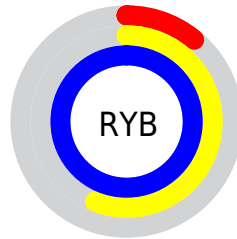
The Yxy color **78.3648, 0.2257, 0.3275** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.2893, 0.6213, 0.3303**, and the grayscale version is **49.4988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **44.0097, 0.2242, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **78.0535, 0.2244, 0.3274**, and if you desaturate by 10%, it is **78.9775, 0.2286, 0.3277**.

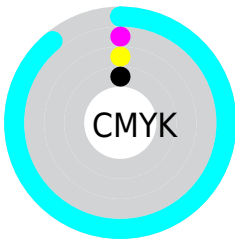
Distribution



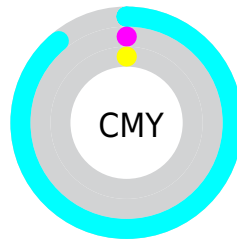
- Red (11%)
- Green (100%)
- Blue (100%)



- Red (11%)
- Yellow (56%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (89%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3648, 0.2257, 0.3275 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 78.3648, 0.2257, 0.3275 by changing the saturation by 10% instead.


 78.3648, 0.2257,
0.3275


 78.3648, 0.2257,
0.3275

489.4048, 0.2641,
0.3295

 58.3737, 0.2174,
0.3268


 131.0642, 0.2387,
0.3284

 42.1092, 0.2074,
0.3257


 164.5414, 0.2438,
0.3287

 29.1868, 0.1951,
0.3241

 203.2827, 0.2483,
0.3290

 19.2222, 0.1798,
0.3218

 247.6725, 0.2522,
0.3291

 11.8309, 0.1601,
0.3180

298.0952, 0.2557,
0.3293

 6.6286, 0.1344,
0.3115

354.9352, 0.2588,

 3.2310, 0.1001,

0.3294

0.2993

418.5770, 0.2616,
0.3294

■ 1.2535, 0.0019,
0.2896

■ 0.1047, 0.0000,
0.0849

■ 78.3648, 0.2257,
0.3275

■ 78.3648, 0.2257,
0.3275

■ 78.0535, 0.2244,
0.3274


■ 78.9775, 0.2286,
0.3277

■ 78.0191, 0.2243,
0.3274


■ 79.9602, 0.2333,
0.3279

■ 81.3640, 0.2399,
0.3280

■ 83.2318, 0.2485,
0.3282

 85.6009, 0.2590,
0.3284

 88.5048, 0.2712,
0.3285

 91.9743, 0.2847,
0.3287

 96.0377, 0.2995,
0.3289

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.



78.3648, 0.2642, 0.3860



78.3648, 0.2257, 0.3275



78.3648, 0.2099, 0.2766

Triad

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



78.3648, 0.2257, 0.3275



78.3648, 0.2988, 0.2510



78.3648, 0.4141, 0.4060

Complementary

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



78.3648, 0.2257, 0.3275



22.2893, 0.6213, 0.3303

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.



78.3648, 0.4277, 0.3648



78.3648, 0.2257, 0.3275



78.3648, 0.3576, 0.2799

Square

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



78.3648, 0.2257, 0.3275



78.3648, 0.2488, 0.2387



78.3648, 0.4068, 0.3201



78.3648, 0.3731, 0.4318

Rectangle

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



78.3648, 0.2257, 0.3275



78.3648, 0.2126, 0.2540



78.3648, 0.4068, 0.3201



78.3648, 0.4222, 0.3933

Sweetspot

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



78.3658, 0.2257, 0.3275



89.0028, 0.2732, 0.3286



71.8741, 0.3004, 0.5916



18.8184, 0.2688, 0.3285



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.



78.3658, 0.2257, 0.3275



78.0191, 0.2243, 0.3274



26.8620, 0.1841, 0.1751



20.4668, 0.2980, 0.3289



40.7731, 0.2243, 0.3274



3.9743, 0.2243, 0.3276

Inverse Universe

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



29.3047, 0.3217, 0.1583



28.4072, 0.3220, 0.1548



40.7275, 0.5208, 0.4146



18.2989, 0.3139, 0.3057



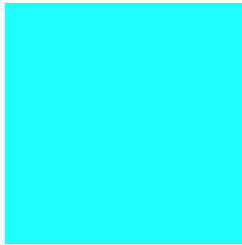
14.8440, 0.3220, 0.1548



1.4457, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 78.3648, 0.2257, 0.3275 looks on a white background.

Color Contrast Check

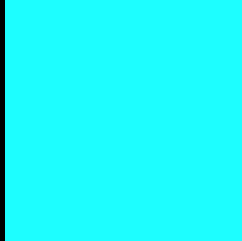
Large Text (above 18pt) WCAG AA × Fail

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 78.3648, 0.2257, 0.3275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

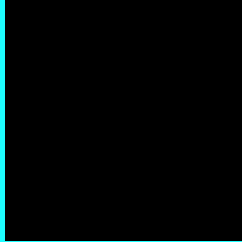
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

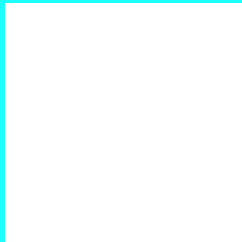
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3648, 0.2257, 0.3275

Background



This preview shows how black text looks on a background with the Yxy color 78.3648, 0.2257, 0.3275.

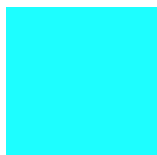


This preview shows how white text looks on a background with the Yxy color 78.3648, 0.2257, 0.3275.

Color Blindness Simulation

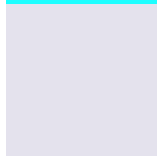
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



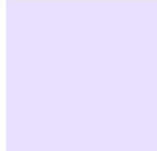
Original Color

78.3648, 0.2257, 0.3275



Protanopia

77.0011, 0.3071, 0.3175



Deuteranopia

76.9843, 0.2979, 0.2964



Tritanopia

77.5943, 0.2556, 0.3142

Trichromacy



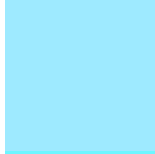
Original Color

78.3648, 0.2257, 0.3275



Protanomaly

73.5905, 0.2607, 0.3196



Deuteranomaly

73.3347, 0.2561, 0.3050



Tritanomaly

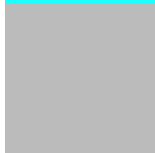
76.3827, 0.2388, 0.3182

Monochromacy



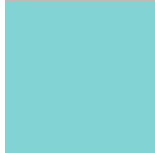
Original Color

78.3648, 0.2257, 0.3275



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

56.0878, 0.2592, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3648, 0.2257, 0.3275 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(29, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(29, 254, 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(29, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 78.3648, 0.2257, 0.3275 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(29, 254, 255) }
```

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

```
.border{ border-color:rgb(29, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(29, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3648, 0.2257, 0.3275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 254, 255) }
```

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

```
.background{ background-color: rgb(29, 254,  
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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