

Converting Colors

$Yxy(76.9791, 0.2555, 0.3314)$

Have a look what the booklet for
Yxy(76.9791, 0.2555, 0.3314)
contains.

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Color

Yxy(76.6876, 0.2556, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	8CF4F2
RGB	140, 244, 242
RGB Percent	55%, 96%, 95%
CMY	0.4512, 0.0431, 0.0510
CMYK	0.43, 0.00, 0.01, 0.04
HSL	179°, 83%, 75%
HSV	179°, 43%, 96%
XYZ	59.1828, 76.6876, 95.6743
YIQ	212.6760, -61.3420, -22.6700

Conversions

Conversions Part 2

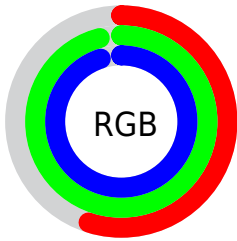
Format	Color
R _Y B	140, 193, 244
Decimal	9237746
CIE Lab	90.18, -30.70, -8.50
CIE LCh	90, 31.854, 195.470
Yxy	76.6876, 0.2556, 0.3312
Android (android.graphics.Color)	4287427826 (0xFF8CF4F2)
YUV	212.6760, 14.4567, -63.7369
Hunter-Lab	87.5715, -32.6156, -3.4760

Details

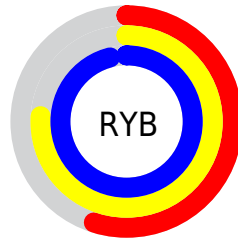
The Yxy color **76.6876, 0.2556, 0.3312** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.9265, 0.4224, 0.3271**, and the grayscale version is **66.2361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8821, 0.2800, 0.3289**, and **40.8351, 0.2429, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **74.7733, 0.2461, 0.3318**, and if you desaturate by 10%, it is **79.0779, 0.2669, 0.3306**.

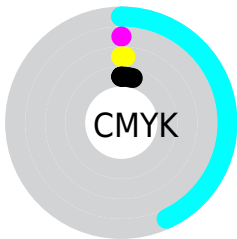
Distribution



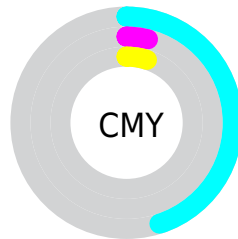
- Red (55%)
- Green (96%)
- Blue (95%)



- Red (55%)
- Yellow (76%)
- Blue (96%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)




- Cyan (45%)
- Magenta (4%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6876, 0.2556, 0.3312 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 76.6876, 0.2556, 0.3312 by changing the saturation by 10% instead.

 76.6876, 0.2556,
0.3312


 76.6876, 0.2556,
0.3312


483.6982, 0.2813,
0.3307

 56.9965, 0.2499,
0.3312

 128.6984, 0.2644,
0.3311

 41.0024, 0.2429,
0.3311


 161.7869, 0.2678,
0.3311

 28.3210, 0.2343,
0.3309


200.1100, 0.2708,
0.3310

 18.5678, 0.2232,
0.3305

244.0521, 0.2735,
0.3310

 11.3584, 0.2086,
0.3296

293.9976, 0.2758,
0.3309

 6.3084, 0.1885,
0.3278

350.3308, 0.2778,

 3.0335, 0.1594,

0.3308

0.3237

413.4362, 0.2797,
0.3308

1.1493, 0.0900,
0.3219

0.0197, 0.0000,
0.0310

76.6876, 0.2556,
0.3312

76.6876, 0.2556,
0.3312

74.7733, 0.2461,
0.3318

79.0779, 0.2669,
0.3306

73.2944, 0.2384,
0.3324


81.9637, 0.2797,
0.3301

72.2189, 0.2327,
0.3331


85.3743, 0.2937,
0.3296


71.5059, 0.2290,
0.3337

89.3340, 0.3086,
0.3291


 71.1063, 0.2270,
0.3343

 92.5243, 0.3196,
0.3287

 70.9576, 0.2263,
0.3348

 92.5533, 0.3194,
0.3282

 92.5824, 0.3191,
0.3278

 92.6116, 0.3188,
0.3273

 92.6408, 0.3185,
0.3268

Harmonies

Analogous

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



76.6876, 0.2831, 0.3672



76.6876, 0.2556, 0.3312



76.6876, 0.2431, 0.2972

Triad

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



76.6876, 0.2556, 0.3312



76.6876, 0.3022, 0.2749



76.6876, 0.3811, 0.3806

Complementary

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



76.6876, 0.2556, 0.3312



39.9265, 0.4224, 0.3271

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.



76.6876, 0.3877, 0.3536



76.6876, 0.2556, 0.3312



76.6876, 0.3406, 0.2947

Square

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



76.6876, 0.2556, 0.3312



76.6876, 0.2687, 0.2675



76.6876, 0.3727, 0.3227



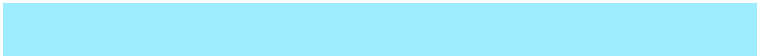
76.6876, 0.3557, 0.3958

Rectangle

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



76.6876, 0.2556, 0.3312



76.6876, 0.2443, 0.2807



76.6876, 0.3727, 0.3227



76.6876, 0.3856, 0.3725

Sweetspot

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



76.6906, 0.2556, 0.3312



94.2043, 0.2931, 0.3296



72.4784, 0.3084, 0.4611



19.9752, 0.2900, 0.3297



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.



76.6906, 0.2556, 0.3312



82.9339, 0.2474, 0.3317



51.3335, 0.2446, 0.2686



18.7519, 0.2983, 0.3294



38.5800, 0.2263, 0.3347



3.3926, 0.2261, 0.3339

Inverse Universe

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



39.9265, 0.4224, 0.3271



37.4596, 0.4575, 0.3269



57.3115, 0.4006, 0.3818



16.4878, 0.3291, 0.3286



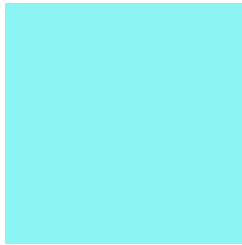
10.4659, 0.6380, 0.3288



0.9217, 0.6328, 0.3260

Previews

White Background



This preview shows how the Yxy color 76.6876, 0.2556, 0.3312 looks on a white background.

Color Contrast Check

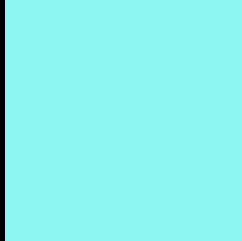
Large Text (above 18pt) WCAG AA × Fail

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 76.6876, 0.2556, 0.3312 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 76.6876, 0.2556, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 76.6876, 0.2556, 0.3312.

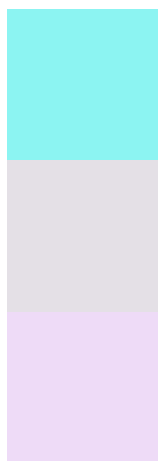


This preview shows how white text looks on a background with the Yxy color 76.6876, 0.2556, 0.3312.

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

76.6876, 0.2556, 0.3312

Protanopia

75.5185, 0.3116, 0.3227

Deuteranopia

75.5556, 0.3078, 0.3005



Tritanopia

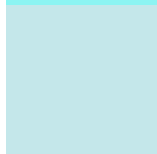
76.7395, 0.2594, 0.3109

Trichromacy



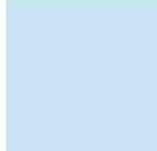
Original Color

76.6876, 0.2556, 0.3312



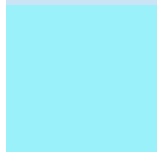
Protanomaly

74.8281, 0.2880, 0.3256



Deuteranomaly

74.6359, 0.2853, 0.3105



Tritanomaly

76.7813, 0.2582, 0.3186

Monochromacy



Original Color

76.6876, 0.2556, 0.3312



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

69.1322, 0.2872, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6876, 0.2556, 0.3312 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(140, 244, 242)` looks like.

```
.text, #text, p{  
    color:rgb(140, 244, 242)  
}
```

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(140, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 244, 242) }
```

Border

The CSS property to change the border of an element to Yxy 76.6876, 0.2556, 0.3312 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(140, 244, 242) }
```

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

```
.border{ border-color:rgb(140, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 244, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 244, 242); box-shadow:4px 4px 4px 4px rgb(140, 244, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6876, 0.2556, 0.3312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 244, 242) }
```

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

```
.background{ background-color: rgb(140,  
244, 242) }
```

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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