

Converting Colors

$Y_{xy}(79.4285, 0.2527, 0.3717)$

Have a look what the booklet for
Yxy(79.4285, 0.2527, 0.3717)
contains.

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Color

Yxy(79.3966, 0.2526, 0.3718)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 64FFDC |
| RGB | 100, 255, 220 |
| RGB Percent | 39%, 100%, 86% |
| CMY | 0.6076, 0.0000, 0.1372 |
| CMYK | 0.61, 0.00, 0.14, 0.00 |
| HSL | 166°, 100%, 70% |
| HSV | 166°, 61%, 100% |
| XYZ | 53.9419, 79.3966, 80.2081 |
| YIQ | 204.6650, -81.1450, -43.7450 |

Conversions

Conversions Part 2

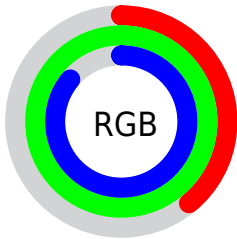
| Format | Color |
|---|--|
| RYB | 100, 187, 255 |
| Decimal | 6619100 |
| CIELab | 91.41, -49.02, 4.57 |
| CIElCh | 91, 49.234, 174.676 |
| Yxy | 79.3966, 0.2526, 0.3718 |
| Android (android.graphics.Color) | 4284809180 (0xFF64FFDC) |
| YUV | 204.6650, 7.5602, -91.7912 |
| Hunter-Lab | 89.1048, -47.8738, 9.0032 |

Details

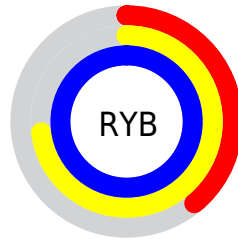
The Yxy color **79.3966, 0.2526, 0.3718** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.1385, 0.4611, 0.2953**, and the grayscale version is **60.8309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **42.6491, 0.2393, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **77.8651, 0.2480, 0.3802**, and if you desaturate by 10%, it is **81.3998, 0.2591, 0.3636**.

Distribution



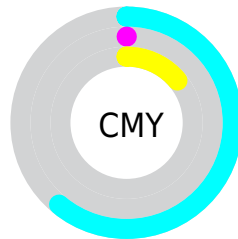
- Red (39%)
- Green (100%)
- Blue (86%)



- Red (39%)
- Yellow (73%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3966, 0.2526, 0.3718 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 79.3966, 0.2526, 0.3718 by changing the saturation by 10% instead.


 79.3966, 0.2526,
0.3718


 79.3966, 0.2526,
0.3718


492.8970, 0.2800,
0.3520

 59.2219, 0.2465,
0.3763


 132.5170, 0.2620,
0.3649

 42.7918, 0.2389,
0.3819

 166.2316, 0.2657,
0.3623

 29.7218, 0.2295,
0.3890


 205.2283, 0.2689,
0.3599

 19.6275, 0.2174,
0.3982

249.8915, 0.2717,
0.3579

 12.1246, 0.2013,
0.4107

300.6055, 0.2741,
0.3562

 6.8286, 0.1789,
0.4285


357.7549, 0.2763,


 3.3551, 0.1461,

0.3546

0.4558


421.7239, 0.2782,
0.3532


 1.3198, 0.0018,
0.5538


 0.1565, 0.0000,
1.0000


 79.3966, 0.2526,
0.3718


 79.3966, 0.2526,
0.3718


 77.8651, 0.2480,
0.3802


 81.3998, 0.2591,
0.3636


 76.7517, 0.2455,
0.3886


 83.9038, 0.2673,
0.3558

 76.0067, 0.2449,
0.3970

 86.9462, 0.2770,
0.3484

 75.5687, 0.2458,
0.4047

 90.5583, 0.2878,
0.3415

 94.7691, 0.2995,
0.3352

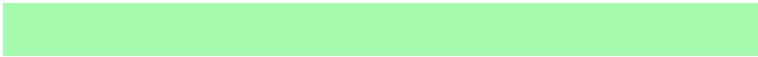
99.6055, 0.3118,
0.3294

99.9975, 0.3127,
0.3290

Harmonies

Analogous

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



79.3966, 0.3037, 0.4195



79.3966, 0.2526, 0.3718



79.3966, 0.2194, 0.3131

Triad

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



79.3966, 0.2526, 0.3718



79.3966, 0.2599, 0.2400



79.3966, 0.4274, 0.3760

Complementary

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



79.3966, 0.2526, 0.3718



32.1385, 0.4611, 0.2953

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.



79.3966, 0.4153, 0.3313



79.3966, 0.2526, 0.3718



79.3966, 0.3134, 0.2569

Square

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



79.3966, 0.2526, 0.3718



79.3966, 0.2237, 0.2424



79.3966, 0.3719, 0.2893



79.3966, 0.4059, 0.4146

Rectangle

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



79.3966, 0.2526, 0.3718



79.3966, 0.2102, 0.2800



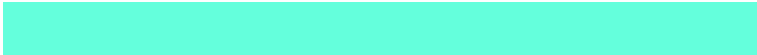
79.3966, 0.3719, 0.2893



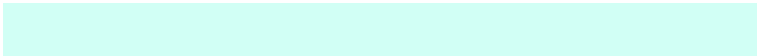
79.3966, 0.4273, 0.3613

Sweetspot

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



79.3997, 0.2526, 0.3718



91.6604, 0.2910, 0.3397



77.6920, 0.3207, 0.5163



19.3709, 0.2876, 0.3416



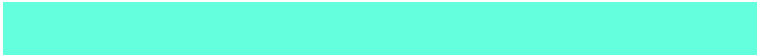
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.3997, 0.2526, 0.3718



77.5828, 0.2473, 0.3821



57.8665, 0.2268, 0.2776



20.4072, 0.3010, 0.3344



39.5113, 0.2454, 0.4034



3.8635, 0.2427, 0.3938

Inverse Universe

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



32.1385, 0.4611, 0.2953



26.6427, 0.5103, 0.2942



41.3449, 0.4755, 0.3701



18.0542, 0.3259, 0.3237



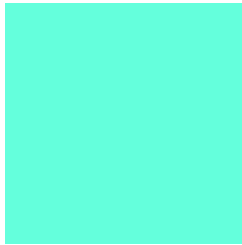
11.2845, 0.6009, 0.3084



1.1144, 0.5701, 0.2914

Previews

White Background



This preview shows how the Yxy color 79.3966, 0.2526, 0.3718 looks on a white background.

Color Contrast Check

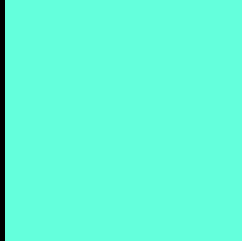
Large Text (above 18pt) WCAG AA × Fail

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 79.3966, 0.2526, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

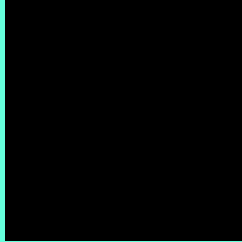
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.3966, 0.2526, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 79.3966, 0.2526, 0.3718.



This preview shows how white text looks on a background with the Yxy color 79.3966, 0.2526, 0.3718.

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

79.3966, 0.2526, 0.3718

Protanopia

78.0717, 0.3349, 0.3532

Deuteranopia

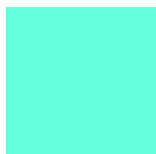
77.7682, 0.3302, 0.3230



Tritanopia

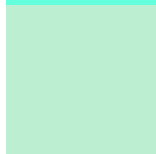
78.4554, 0.2622, 0.3133

Trichromacy



Original Color

79.3966, 0.2526, 0.3718



Protanomaly

76.4936, 0.2971, 0.3611



Deuteranomaly

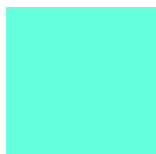
75.3954, 0.2939, 0.3390



Tritanomaly

78.1620, 0.2573, 0.3335

Monochromacy



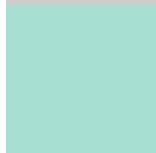
Original Color

79.3966, 0.2526, 0.3718



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.6440, 0.2834, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3966, 0.2526, 0.3718 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(100, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 220)  
}
```

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(100, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 79.3966, 0.2526, 0.3718 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(100, 255, 220) }
```

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

```
.border{ border-color:rgb(100, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3966, 0.2526, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 220) }
```

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

```
.background{ background-color: rgb(100,  
255, 220) }
```

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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