

Converting Colors

$Yxy(79.3355, 0.2542, 0.3753)$

Have a look what the booklet for
Yxy(79.3355, 0.2542, 0.3753)
contains.

Yxy(79.2965, 0.2542, 0.3757)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(79.2965, 0.2542, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	65FFD9
RGB	101, 255, 217
RGB Percent	40%, 100%, 85%
CMY	0.6038, 0.0000, 0.1491
CMYK	0.60, 0.00, 0.15, 0.00
HSL	165°, 100%, 70%
HSV	165°, 60%, 100%
XYZ	53.6523, 79.2965, 78.1145
YIQ	204.6220, -79.5860, -44.4660

Conversions

Conversions Part 2

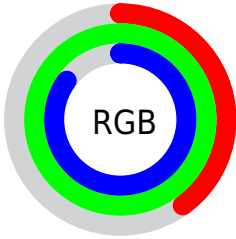
Format	Color
RYB	101, 189, 255
Decimal	6684633
CIELab	91.37, -49.57, 6.08
CIELCh	91, 49.940, 173.012
Yxy	79.2965, 0.2542, 0.3757
Android (android.graphics.Color)	4284874713 (0xFF65FFD9)
YUV	204.6220, 6.1024, -90.8765
Hunter-Lab	89.0486, -48.2877, 10.3241

Details

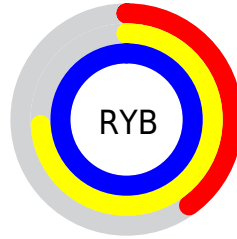
The Yxy color **79.2965, 0.2542, 0.3757** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.4396, 0.4553, 0.2921**, and the grayscale version is **60.8018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.5411, 0.2407, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **77.7253, 0.2497, 0.3849**, and if you desaturate by 10%, it is **81.3395, 0.2606, 0.3667**.

Distribution



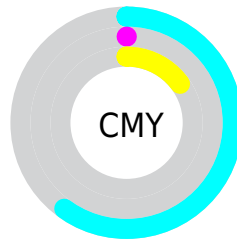
- Red (40%)
- Green (100%)
- Blue (85%)



- Red (40%)
- Yellow (74%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.2965, 0.2542, 0.3757 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 79.2965, 0.2542, 0.3757 by changing the saturation by 10% instead.


 79.2965, 0.2542,
0.3757


 79.2965, 0.2542,
0.3757


492.5588, 0.2810,
0.3539


 59.1396, 0.2482,
0.3807


 132.3762, 0.2634,
0.3681

 42.7255, 0.2408,
0.3869


 166.0678, 0.2670,
0.3652

 29.6698, 0.2315,
0.3948


 205.0398, 0.2701,
0.3627

 19.5881, 0.2196,
0.4051

249.6765, 0.2728,
0.3605

 12.0960, 0.2036,
0.4191

300.3623, 0.2752,
0.3585

 6.8091, 0.1813,
0.4393


357.4818, 0.2774,


 3.3430, 0.1484,


0.3568


0.4708


421.4191, 0.2793,
0.3553


 1.3133, 0.0000,
0.5814

 0.1515, 0.0000,
1.0000


 79.2965, 0.2542,
0.3757


 79.2965, 0.2542,
0.3757


 77.7253, 0.2497,
0.3849


 81.3395, 0.2606,
0.3667


 76.5777, 0.2473,
0.3943

 83.8884, 0.2687,
0.3581

 75.8027, 0.2468,
0.4036

 86.9789, 0.2782,
0.3500

 75.3278, 0.2479,
0.4124

 90.6425, 0.2888,
0.3424

■ 94.9079, 0.3003,
0.3355

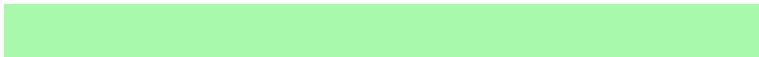
99.8021, 0.3123,
0.3292

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.



79.2965, 0.3066, 0.4228



79.2965, 0.2542, 0.3757



79.2965, 0.2194, 0.3159

Triad

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



79.2965, 0.2542, 0.3757



79.2965, 0.2565, 0.2384



79.2965, 0.4293, 0.3740

Complementary

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



79.2965, 0.2542, 0.3757



32.4396, 0.4553, 0.2921

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.



79.2965, 0.4151, 0.3287



79.2965, 0.2542, 0.3757



79.2965, 0.3101, 0.2546

Square

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



79.2965, 0.2542, 0.3757



79.2965, 0.2211, 0.2420



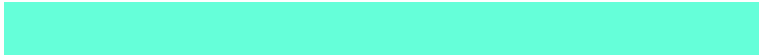
79.2965, 0.3696, 0.2866



79.2965, 0.4091, 0.4139

Rectangle

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



79.2965, 0.2542, 0.3757



79.2965, 0.2092, 0.2817



79.2965, 0.3696, 0.2866



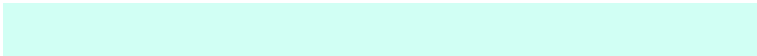
79.2965, 0.4286, 0.3590

Sweetspot

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



79.2979, 0.2542, 0.3757



91.6014, 0.2915, 0.3407



77.9947, 0.3221, 0.5143



19.3564, 0.2882, 0.3428



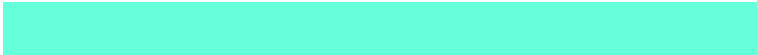
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.2979, 0.2542, 0.3757



77.5116, 0.2492, 0.3864



59.3616, 0.2280, 0.2813



20.4003, 0.3013, 0.3349



39.3854, 0.2475, 0.4109



3.8522, 0.2445, 0.4003

Inverse Universe

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



32.4396, 0.4553, 0.2921



27.0955, 0.5006, 0.2903



40.8183, 0.4760, 0.3673



18.0606, 0.3255, 0.3232



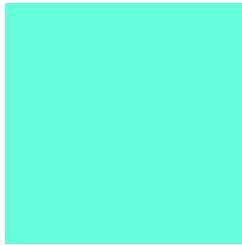
11.3158, 0.5945, 0.3049



1.1183, 0.5631, 0.2876

Previews

White Background



This preview shows how the Yxy color 79.2965, 0.2542, 0.3757 looks on a white background.

Color Contrast Check

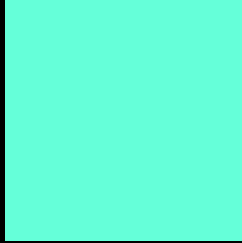
Large Text (above 18pt) WCAG AA × Fail

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 79.2965, 0.2542, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

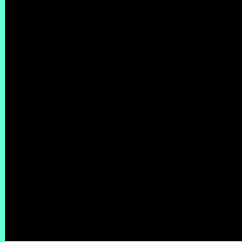
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.2965, 0.2542, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 79.2965, 0.2542, 0.3757.

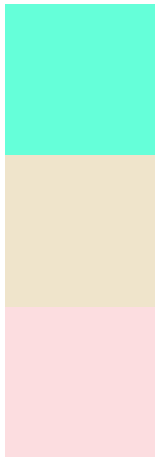


This preview shows how white text looks on a background with the Yxy color 79.2965, 0.2542, 0.3757.

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

79.2965, 0.2542, 0.3757

Protanopia

78.1493, 0.3370, 0.3553

Deuteranopia

77.7902, 0.3330, 0.3260



Tritanopia

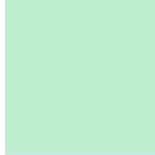
78.4554, 0.2622, 0.3133

Trichromacy



Original Color

79.2965, 0.2542, 0.3757



Protanomaly

76.5220, 0.2989, 0.3634



Deuteranomaly

75.3686, 0.2963, 0.3424



Tritanomaly

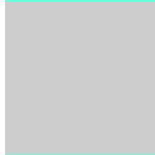
78.1917, 0.2582, 0.3346

Monochromacy



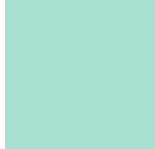
Original Color

79.2965, 0.2542, 0.3757



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.5943, 0.2840, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.2965, 0.2542, 0.3757 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(101, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 217)  
}
```

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(101, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 79.2965, 0.2542, 0.3757 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(101, 255, 217) }
```

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

```
.border{ border-color:rgb(101, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 79.2965, 0.2542, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 217) }
```

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

```
.background{ background-color: rgb(101,  
255, 217) }
```

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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