

Converting Colors

$Yxy(80.1473, 0.2484, 0.3571)$

Have a look what the booklet for
Yxy(80.1473, 0.2484, 0.3571)
contains.

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Color

Yxy(80.1710, 0.2482, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	66FFE8
RGB	102, 255, 232
RGB Percent	40%, 100%, 91%
CMY	0.5996, 0.0000, 0.0901
CMYK	0.60, 0.00, 0.09, 0.00
HSL	171°, 100%, 70%
HSV	171°, 60%, 100%
XYZ	55.8161, 80.1710, 88.8965
YIQ	206.6310, -83.8050, -39.5890

Conversions

Conversions Part 2

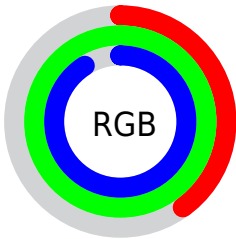
Format	Color
RYB	102, 185, 255
Decimal	6750184
CIELab	91.76, -45.78, -1.13
CIElCh	92, 45.796, 181.415
Yxy	80.1710, 0.2482, 0.3565
Android (android.graphics.Color)	4284940264 (0xFF66FFE8)
YUV	206.6310, 12.5069, -91.7614
Hunter-Lab	89.5383, -45.4191, 3.8118

Details

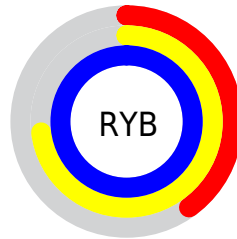
The Yxy color **80.1710, 0.2482, 0.3565** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.2640, 0.4734, 0.3073**, and the grayscale version is **62.1252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **43.5228, 0.2345, 0.3641** is the 20% darker color. If you saturate the color by 10%, you get **78.6893, 0.2429, 0.3619**, and if you desaturate by 10%, it is **82.1218, 0.2554, 0.3513**.

Distribution



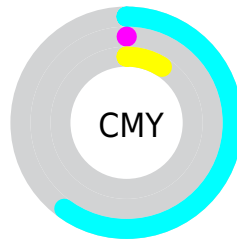
- Red (40%)
- Green (100%)
- Blue (91%)



- Red (40%)
- Yellow (73%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1710, 0.2482, 0.3565 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 80.1710, 0.2482, 0.3565 by changing the saturation by 10% instead.


 80.1710, 0.2482,
0.3565

 80.1710, 0.2482,
0.3565


495.5089, 0.2772,
0.3442


 59.8591, 0.2418,
0.3592


 133.6061, 0.2581,
0.3523

 43.3051, 0.2340,
0.3625


 167.4981, 0.2620,
0.3507

 30.1245, 0.2242,
0.3665


 206.6856, 0.2654,
0.3492

 19.9331, 0.2118,
0.3717

251.5529, 0.2684,
0.3480

 12.3465, 0.1955,
0.3784

302.4845, 0.2710,
0.3469

 6.9801, 0.1731,
0.3874


359.8648, 0.2733,


 3.4496, 0.1412,


0.3459


0.4001


424.0781, 0.2754,
0.3450


 1.3707, 0.0388,
0.4434


 0.1950, 0.0000,
0.4009

 80.1710, 0.2482,
0.3565


 80.1710, 0.2482,
0.3565


 78.6893, 0.2429,
0.3619


 82.1218, 0.2554,
0.3513


 77.6239, 0.2396,
0.3673


 84.5704, 0.2644,
0.3462


 76.9258, 0.2382,
0.3726

 87.5541, 0.2749,
0.3414

 76.5108, 0.2383,
0.3780

 91.1039, 0.2867,
0.3369

 76.5093, 0.2383,
0.3780

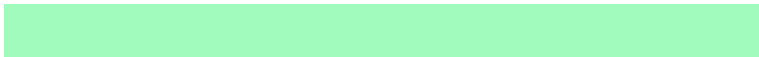
 95.2486, 0.2994,
0.3328

99.9955, 0.3127,
0.3290

Harmonies

Analogous

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



80.1710, 0.2931, 0.4046



80.1710, 0.2482, 0.3565



80.1710, 0.2216, 0.3035

Triad

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



80.1710, 0.2482, 0.3565



80.1710, 0.2738, 0.2478



80.1710, 0.4173, 0.3824

Complementary

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



80.1710, 0.2482, 0.3565



32.2640, 0.4734, 0.3073

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.



80.1710, 0.4131, 0.3411



80.1710, 0.2482, 0.3565



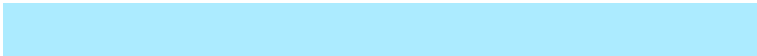
80.1710, 0.3260, 0.2673

Square

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



80.1710, 0.2482, 0.3565



80.1710, 0.2355, 0.2460



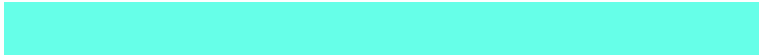
80.1710, 0.3785, 0.3004



80.1710, 0.3916, 0.4150

Rectangle

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



80.1710, 0.2482, 0.3565



80.1710, 0.2163, 0.2753



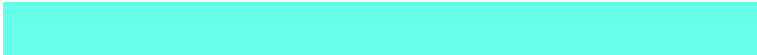
80.1710, 0.3785, 0.3004



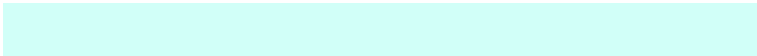
80.1710, 0.4195, 0.3690

Sweetspot

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



80.1741, 0.2482, 0.3565



91.8738, 0.2891, 0.3361



77.0339, 0.3154, 0.5169



19.4235, 0.2855, 0.3373



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.



80.1741, 0.2482, 0.3565



78.4442, 0.2420, 0.3630



53.2501, 0.2247, 0.2651



20.4318, 0.3000, 0.3326



39.9980, 0.2381, 0.3771



3.9066, 0.2364, 0.3710

Inverse Universe

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



32.2640, 0.4734, 0.3073



26.7179, 0.5259, 0.3070



45.0241, 0.4647, 0.3801



18.0315, 0.3271, 0.3255



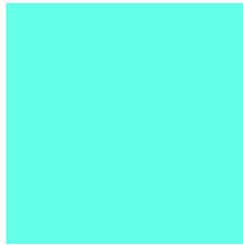
11.1962, 0.6198, 0.3188



1.1026, 0.5928, 0.3039

Previews

White Background



This preview shows how the Yxy color 80.1710, 0.2482, 0.3565 looks on a white background.

Color Contrast Check

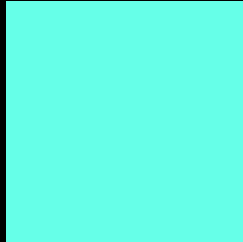
Large Text (above 18pt) WCAG AA × Fail

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 80.1710, 0.2482, 0.3565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

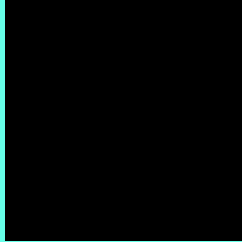
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1710, 0.2482, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 80.1710, 0.2482, 0.3565.

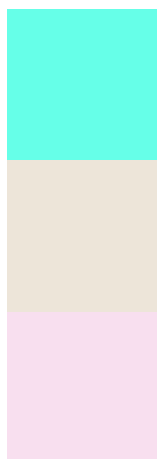


This preview shows how white text looks on a background with the Yxy color 80.1710, 0.2482, 0.3565.

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

80.1710, 0.2482, 0.3565

Protanopia

79.0529, 0.3261, 0.3416

Deuteranopia

78.9638, 0.3198, 0.3130



Tritanopia

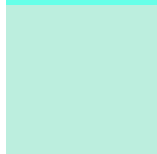
79.4949, 0.2644, 0.3145

Trichromacy



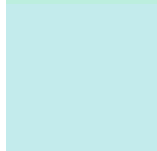
Original Color

80.1710, 0.2482, 0.3565



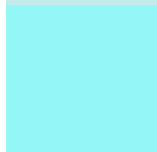
Protanomaly

77.1144, 0.2903, 0.3470



Deuteranomaly

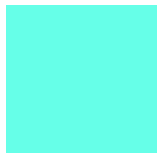
77.0749, 0.2865, 0.3278



Tritanomaly

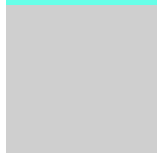
79.4400, 0.2570, 0.3288

Monochromacy



Original Color

80.1710, 0.2482, 0.3565



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.7042, 0.2812, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1710, 0.2482, 0.3565 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(102, 255, 232)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 232)  
}
```

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(102, 255, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 232) }
```

Border

The CSS property to change the border of an element to Yxy 80.1710, 0.2482, 0.3565 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(102, 255, 232) }
```

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

```
.border{ border-color:rgb(102, 255, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 232);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1710, 0.2482, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 232) }
```

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

```
.background{ background-color: rgb(102,  
255, 232) }
```

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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