

Converting Colors

$Y_{xy}(80.1016, 0.2512, 0.3624)$

Have a look what the booklet for
Yxy(80.1016, 0.2512, 0.3624)
contains.

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Color

Yxy(80.0693, 0.2512, 0.3628)

Conversions

Conversions Part 1

Format	Color
Hex	69FFE3
RGB	105, 255, 227
RGB Percent	41%, 100%, 89%
CMY	0.5886, 0.0000, 0.1099
CMYK	0.59, 0.00, 0.11, 0.00
HSL	169°, 100%, 71%
HSV	169°, 59%, 100%
XYZ	55.4394, 80.0693, 85.1895
YIQ	206.9580, -80.4120, -40.5080

Conversions

Conversions Part 2

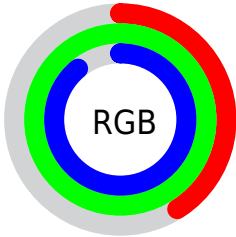
Format	Color
RYB	105, 188, 255
Decimal	6946787
CIELab	91.72, -46.53, 1.43
CIElCh	92, 46.552, 178.245
Yxy	80.0693, 0.2512, 0.3628
Android (android.graphics.Color)	4285136867 (0xFF69FFE3)
YUV	206.9580, 9.8807, -89.4172
Hunter-Lab	89.4815, -46.0006, 6.1908

Details

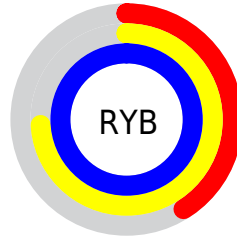
The Yxy color **80.0693, 0.2512, 0.3628** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.0349, 0.4616, 0.3019**, and the grayscale version is **62.3207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **43.0302, 0.2372, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **78.4853, 0.2459, 0.3696**, and if you desaturate by 10%, it is **82.1092, 0.2584, 0.3562**.

Distribution



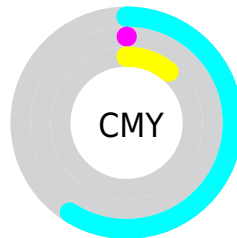
- Red (41%)
- Green (100%)
- Blue (89%)



- Red (41%)
- Yellow (74%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0693, 0.2512, 0.3628 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 80.0693, 0.2512, 0.3628 by changing the saturation by 10% instead.


 80.0693, 0.2512,
0.3628


 80.0693, 0.2512,
0.3628


495.1663, 0.2790,
0.3474

 59.7754, 0.2450,
0.3662


 133.4632, 0.2607,
0.3575

 43.2376, 0.2375,
0.3705


 167.3319, 0.2645,
0.3554

 30.0716, 0.2280,
0.3758


 206.4943, 0.2677,
0.3537

 19.8929, 0.2160,
0.3826

251.3349, 0.2705,
0.3521

 12.3172, 0.2000,
0.3916

302.2380, 0.2730,
0.3507

 6.9601, 0.1780,
0.4043


359.5880, 0.2753,


 3.4372, 0.1462,


0.3495


0.4229


423.7693, 0.2772,
0.3484


 1.3640, 0.0344,
0.4842


 0.1900, 0.0000,
0.6393


 80.0693, 0.2512,
0.3628


 80.0693, 0.2512,
0.3628


 78.4853, 0.2459,
0.3696


 82.1092, 0.2584,
0.3562


 77.3352, 0.2427,
0.3764


 84.6635, 0.2672,
0.3498

 76.5614, 0.2414,
0.3832

 87.7591, 0.2775,
0.3439

 76.0897, 0.2418,
0.3900

 91.4266, 0.2890,
0.3383

 76.0443, 0.2419,
0.3908

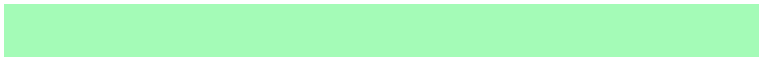
 95.6947, 0.3013,
0.3332

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.



80.0693, 0.2982, 0.4099



80.0693, 0.2512, 0.3628



80.0693, 0.2220, 0.3082

Triad

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



80.0693, 0.2512, 0.3628



80.0693, 0.2682, 0.2455



80.0693, 0.4202, 0.3789

Complementary

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



80.0693, 0.2512, 0.3628



33.0349, 0.4616, 0.3019

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.



80.0693, 0.4124, 0.3366



80.0693, 0.2512, 0.3628



80.0693, 0.3202, 0.2636

Square

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



80.0693, 0.2512, 0.3628



80.0693, 0.2313, 0.2456



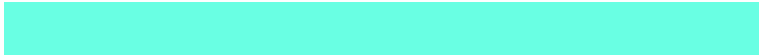
80.0693, 0.3745, 0.2959



80.0693, 0.3968, 0.4136

Rectangle

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



80.0693, 0.2512, 0.3628



80.0693, 0.2150, 0.2783



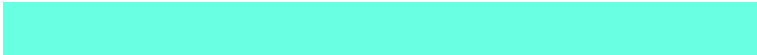
80.0693, 0.3745, 0.2959



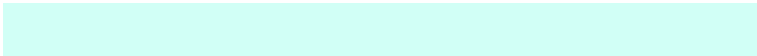
80.0693, 0.4213, 0.3651

Sweetspot

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



80.0623, 0.2512, 0.3628



91.7702, 0.2900, 0.3378



77.6824, 0.3182, 0.5119



19.3980, 0.2866, 0.3394



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.



80.0623, 0.2512, 0.3628



78.2050, 0.2451, 0.3710



56.2963, 0.2275, 0.2730



20.4199, 0.3005, 0.3335



39.7557, 0.2416, 0.3896



3.8852, 0.2394, 0.3819

Inverse Universe

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



33.0349, 0.4616, 0.3019



27.2283, 0.5123, 0.3007



44.0691, 0.4645, 0.3744



18.0425, 0.3265, 0.3246



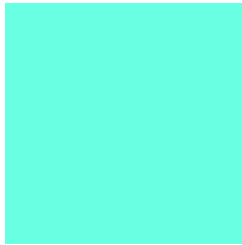
11.2344, 0.6114, 0.3142



1.1079, 0.5823, 0.2981

Previews

White Background



This preview shows how the Yxy color 80.0693, 0.2512, 0.3628 looks on a white background.

Color Contrast Check

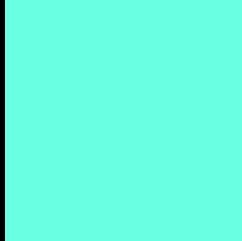
Large Text (above 18pt) WCAG AA × Fail

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 80.0693, 0.2512, 0.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

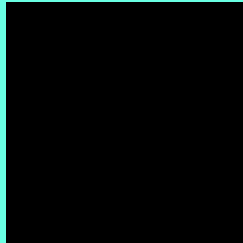
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

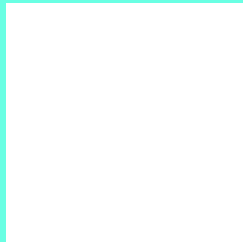
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0693, 0.2512, 0.3628

Background



This preview shows how black text looks on a background with the Yxy color 80.0693, 0.2512, 0.3628.

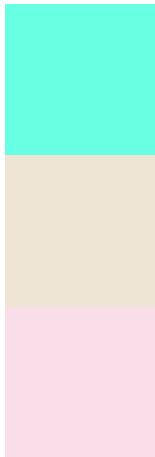


This preview shows how white text looks on a background with the Yxy color 80.0693, 0.2512, 0.3628.

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

80.0693, 0.2512, 0.3628

Protanopia

78.9692, 0.3301, 0.3468

Deuteranopia

78.3228, 0.3239, 0.3170



Tritanopia

79.4949, 0.2644, 0.3145

Trichromacy



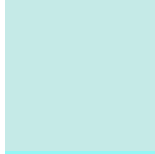
Original Color

80.0693, 0.2512, 0.3628



Protanomaly

77.1060, 0.2943, 0.3528



Deuteranomaly

76.4855, 0.2905, 0.3323



Tritanomaly

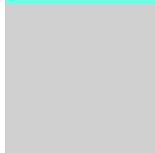
79.4100, 0.2583, 0.3311

Monochromacy



Original Color

80.0693, 0.2512, 0.3628



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.7124, 0.2830, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0693, 0.2512, 0.3628 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(105, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 227)  
}
```

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(105, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 80.0693, 0.2512, 0.3628 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(105, 255, 227) }
```

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

```
.border{ border-color:rgb(105, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0693, 0.2512, 0.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 227) }
```

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

```
.background{ background-color: rgb(105,  
255, 227) }
```

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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