

Converting Colors

$Yxy(80.0449, 0.2646, 0.3289)$

Have a look what the booklet for
Yxy(80.0449, 0.2646, 0.3289)
contains.

Yxy(80.2467, 0.2643, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.2467, 0.2643, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A2F6F6
RGB	162, 246, 246
RGB Percent	64%, 96%, 96%
CMY	0.3647, 0.0353, 0.0354
CMYK	0.34, 0.00, 0.00, 0.04
HSL	180°, 82%, 80%
HSV	180°, 34%, 96%
XYZ	64.4853, 80.2467, 99.2531
YIQ	220.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

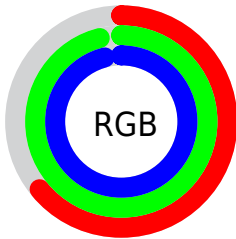
Format	Color
R_{YB}	162, 204, 246
Decimal	10680054
CIE _{Lab}	91.80, -25.29, -8.07
CIE _{LCh}	92, 26.541, 197.694
Yxy	80.2467, 0.2643, 0.3289
Android (android.graphics.Color)	4288870134 (0xFFA2F6F6)
YUV	220.8840, 12.3822, -51.6413
Hunter-Lab	89.5805, -28.2712, -2.9856

Details

The Yxy color **80.2467, 0.2643, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **48.0432, 0.3937, 0.3292**, and the grayscale version is **72.1583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **43.1771, 0.2535, 0.3273** is the 20% darker color. If you saturate the color by 10%, you get **77.9200, 0.2531, 0.3289**, and if you desaturate by 10%, it is **83.0836, 0.2771, 0.3289**.

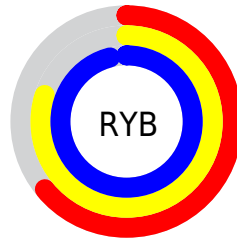
Distribution



Red (64%)

Green (96%)

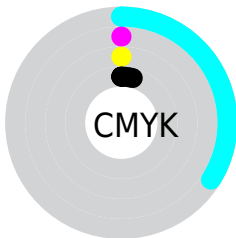
Blue (96%)



Red (64%)

Yellow (80%)

Blue (96%)

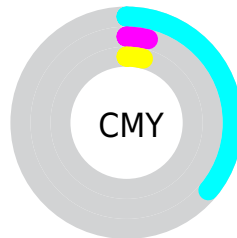


Cyan (34%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (36%)


Magenta (4%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2467, 0.2643, 0.3289 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 80.2467, 0.2643, 0.3289 by changing the saturation by 10% instead.


 80.2467, 0.2643,
0.3289


 80.2467, 0.2643,
0.3289


495.7638, 0.2860,
0.3293

 59.9214, 0.2595,
0.3287


 133.7125, 0.2717,
0.3291

 43.3553, 0.2537,
0.3284


 167.6218, 0.2746,
0.3292

 30.1640, 0.2464,
0.3280


206.8279, 0.2771,
0.3292

 19.9631, 0.2372,
0.3274

251.7152, 0.2793,
0.3293

 12.3682, 0.2250,
0.3263

302.6680, 0.2813,
0.3293

 6.9950, 0.2082,
0.3244

360.0708, 0.2830,

 3.4589, 0.1838,

0.3293

424.3079, 0.2846,
0.3293

0.3207

1.3758, 0.1422,
0.3135

0.1988, 0.0000,
0.2030

80.2467, 0.2643,
0.3289

80.2467, 0.2643,
0.3289

77.9200, 0.2531,
0.3289

83.0836, 0.2771,
0.3289

76.0646, 0.2437,
0.3289


86.4484, 0.2911,
0.3290

74.6510, 0.2362,
0.3289


90.3694, 0.3062,
0.3290

73.6425, 0.2307,
0.3289

93.8319, 0.3185,
0.3290

 72.9966, 0.2271,
0.3289


 93.8326, 0.3185,
0.3290


 72.6613, 0.2252,
0.3289

 93.8334, 0.3185,
0.3290

 72.5643, 0.2247,
0.3289

 93.8341, 0.3185,
0.3290

 93.8348, 0.3185,
0.3290

 93.8355, 0.3185,
0.3290

Harmonies

Analogous

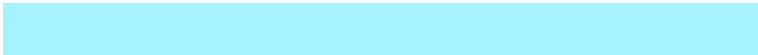
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.2467, 0.2865, 0.3581



80.2467, 0.2643, 0.3289



80.2467, 0.2548, 0.3015

Triad

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



80.2467, 0.2643, 0.3289



80.2467, 0.3066, 0.2849



80.2467, 0.3679, 0.3732

Complementary

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



80.2467, 0.2643, 0.3289



48.0432, 0.3937, 0.3292

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.



80.2467, 0.3743, 0.3517



80.2467, 0.2643, 0.3289



80.2467, 0.3380, 0.3021

Square

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



80.2467, 0.2643, 0.3289



80.2467, 0.2782, 0.2780



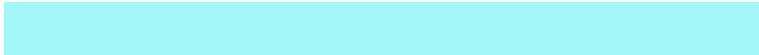
80.2467, 0.3633, 0.3260



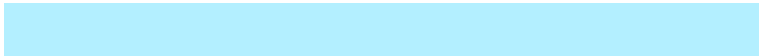
80.2467, 0.3463, 0.3840

Rectangle

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



80.2467, 0.2643, 0.3289



80.2467, 0.2565, 0.2882



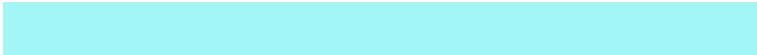
80.2467, 0.3633, 0.3260



80.2467, 0.3719, 0.3669

Sweetspot

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



80.2499, 0.2643, 0.3289



95.4796, 0.2973, 0.3290



76.3539, 0.3087, 0.4312



20.3113, 0.2952, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

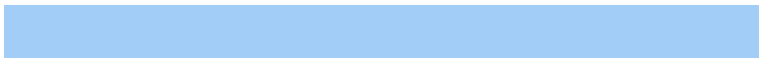
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2499, 0.2643, 0.3289



85.2636, 0.2564, 0.3289



58.1905, 0.2579, 0.2808



18.7577, 0.2981, 0.3290



38.7288, 0.2247, 0.3289



3.4039, 0.2247, 0.3289

Inverse Universe

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



48.0432, 0.3937, 0.3292



45.4347, 0.4186, 0.3293



64.7269, 0.3787, 0.3726



16.4827, 0.3294, 0.3290



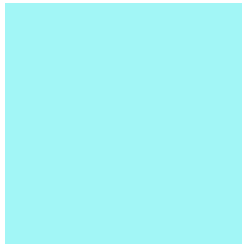
10.4581, 0.6400, 0.3299



0.9192, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 80.2467, 0.2643, 0.3289 looks on a white background.

Color Contrast Check

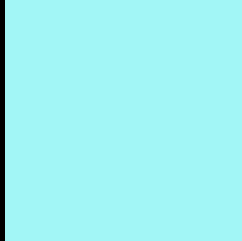
Large Text (above 18pt) WCAG AA × Fail

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 80.2467, 0.2643, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

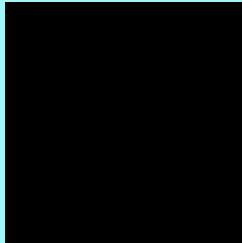
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2467, 0.2643, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 80.2467, 0.2643, 0.3289.

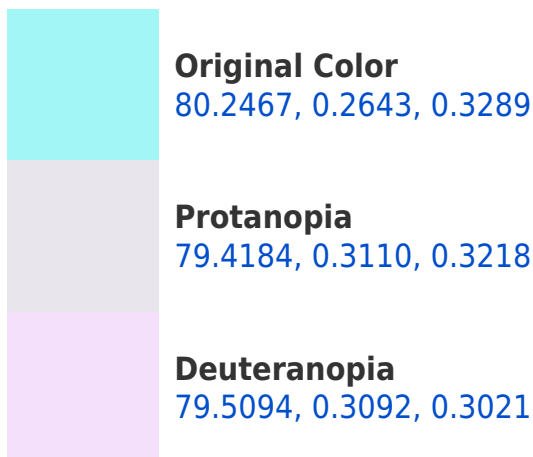


This preview shows how white text looks on a background with the Yxy color 80.2467, 0.2643, 0.3289.

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





Tritanopia

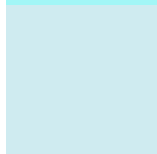
79.9793, 0.2715, 0.3126

Trichromacy



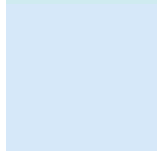
Original Color

80.2467, 0.2643, 0.3289



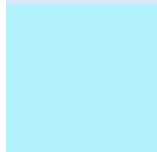
Protanomaly

78.9733, 0.2916, 0.3236



Deuteranomaly

78.8489, 0.2907, 0.3110



Tritanomaly

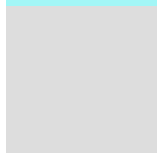
79.8796, 0.2684, 0.3179

Monochromacy



Original Color

80.2467, 0.2643, 0.3289



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.5862, 0.2928, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2467, 0.2643, 0.3289 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(162, 246, 246)` looks like.

```
.text, #text, p{  
    color:rgb(162, 246, 246)  
}
```

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(162, 246, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 246, 246) }
```

Border

The CSS property to change the border of an element to Yxy 80.2467, 0.2643, 0.3289 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(162, 246, 246) }
```

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

```
.border{ border-color:rgb(162, 246, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 246, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 246, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 246, 246);  
box-shadow:4px 4px 4px 4px rgb(162, 246,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2467, 0.2643, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 246, 246) }
```

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

```
.background{ background-color: rgb(162,  
246, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor