

Converting Colors

$Y_{xy}(100.0000, 0.2820, 0.4737)$

Have a look what the booklet for
Yxy(100.0000, 0.2820, 0.4737)
contains.

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Color

Yxy(77.1202, 0.2780, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	67FFA5
RGB	103, 255, 165
RGB Percent	40%, 100%, 65%
CMY	0.5956, 0.0000, 0.3529
CMYK	0.60, 0.00, 0.35, 0.00
HSL	144°, 100%, 70%
HSV	144°, 60%, 100%
XYZ	48.1568, 77.1202, 47.9489
YIQ	199.2920, -61.7020, -60.2140

Conversions

Conversions Part 2

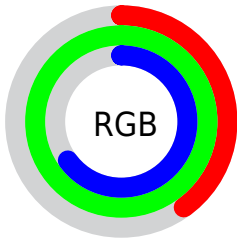
Format	Color
RYB	103, 211, 255
Decimal	6815653
CIELab	90.38, -59.92, 31.25
CIELCh	90, 67.575, 152.457
Yxy	77.1202, 0.2780, 0.4452
Android (android.graphics.Color)	4285005733 (0xFF67FFA5)
YUV	199.2920, -16.9060, -84.4481
Hunter-Lab	87.8181, -55.7976, 29.1002

Details

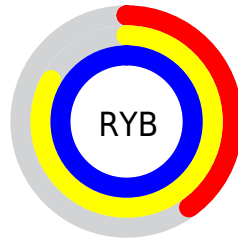
The Yxy color **77.1202, 0.2780, 0.4452** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.8409, 0.3847, 0.2405**, and the grayscale version is **57.4583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7398, 0.2792, 0.3677**, and **41.2215, 0.2676, 0.4770** is the 20% darker color. If you saturate the color by 10%, you get **75.3180, 0.2761, 0.4687**, and if you desaturate by 10%, it is **79.4535, 0.2816, 0.4221**.

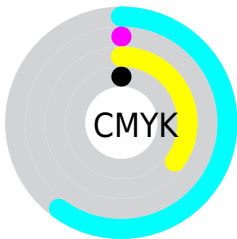
Distribution



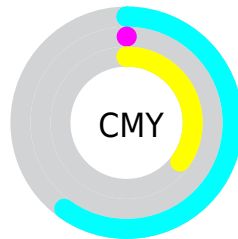
- Red (40%)
- Green (100%)
- Blue (65%)



- Red (40%)
- Yellow (83%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1202, 0.2780, 0.4452 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 77.1202, 0.2780, 0.4452 by changing the saturation by 10% instead.

 77.1202, 0.2780,
0.4452


 77.1202, 0.2780,
0.4452


485.1738, 0.2959,
0.3881

 57.3515, 0.2734,
0.4590

 129.3091, 0.2846,
0.4247

 41.2875, 0.2675,
0.4765

 162.4982, 0.2871,
0.4170

 28.5438, 0.2597,
0.4992


 200.9295, 0.2891,
0.4103

 18.7360, 0.2488,
0.5297

244.9875, 0.2909,
0.4046

 11.4797, 0.2327,
0.5725

295.0565, 0.2924,
0.3997

 6.3905, 0.2076,
0.6359


351.5210, 0.2937,


 3.0839, 0.1688,


0.3953


0.7639


414.7652, 0.2949,
0.3915


 1.1757, 0.0000,
1.0000


 0.0417, 0.0000,
1.0000

 77.1202, 0.2780,
0.4452


 77.1202, 0.2780,
0.4452


 75.3180, 0.2761,
0.4687

 79.4535, 0.2816,
0.4221


 73.9920, 0.2761,
0.4917


 82.3483, 0.2865,
0.4000

 73.0913, 0.2780,
0.5134

 85.8439, 0.2924,
0.3794

 72.5334, 0.2815,
0.5331

 89.9732, 0.2990,
0.3605

 72.5123, 0.2816,
0.5339

 94.7666, 0.3059,
0.3435

99.9949, 0.3127,
0.3290

Harmonies

Analogous

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



77.1202, 0.3537, 0.4765



77.1202, 0.2780, 0.4452



77.1202, 0.2159, 0.3662

Triad

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



77.1202, 0.2780, 0.4452



77.1202, 0.2036, 0.2102



77.1202, 0.4637, 0.3433

Complementary

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



77.1202, 0.2780, 0.4452



34.8409, 0.3847, 0.2405

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.



77.1202, 0.4132, 0.2879



77.1202, 0.2780, 0.4452



77.1202, 0.2570, 0.2152

Square

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



77.1202, 0.2780, 0.4452



77.1202, 0.1784, 0.2319



77.1202, 0.3335, 0.2428



77.1202, 0.4651, 0.4015

Rectangle

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



77.1202, 0.2780, 0.4452



77.1202, 0.1897, 0.3097



77.1202, 0.3335, 0.2428



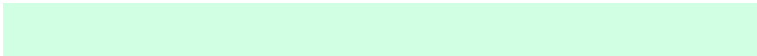
77.1202, 0.4519, 0.3242

Sweetspot

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



77.1233, 0.2780, 0.4452



90.6804, 0.3000, 0.3577



83.9991, 0.3552, 0.4929



19.1313, 0.2981, 0.3629



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.



77.1233, 0.2780, 0.4452



75.1032, 0.2760, 0.4721



80.6861, 0.2453, 0.3469



20.2909, 0.3060, 0.3434



37.9198, 0.2808, 0.5308



3.7131, 0.2745, 0.5083

Inverse Universe

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



34.8409, 0.3847, 0.2405



29.4964, 0.4056, 0.2298



32.3011, 0.4816, 0.3149



18.1677, 0.3201, 0.3150



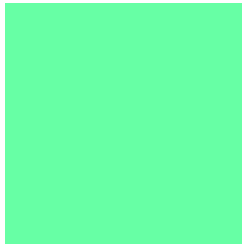
12.3083, 0.4575, 0.2294



1.2201, 0.4376, 0.2184

Previews

White Background



This preview shows how the Yxy color 77.1202, 0.2780, 0.4452 looks on a white background.

Color Contrast Check

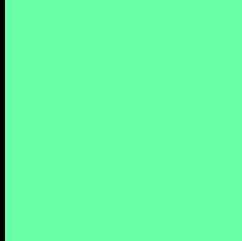
Large Text (above 18pt) WCAG AA × Fail

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 77.1202, 0.2780, 0.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

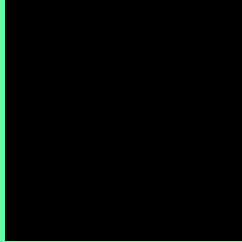
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

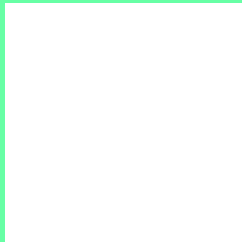
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1202, 0.2780, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 77.1202, 0.2780, 0.4452.

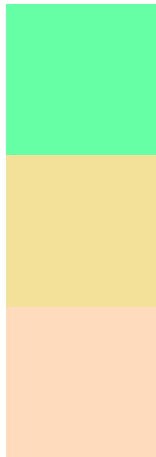


This preview shows how white text looks on a background with the Yxy color 77.1202, 0.2780, 0.4452.

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

77.1202, 0.2780, 0.4452

Protanopia

75.3834, 0.3755, 0.4045

Deuteranopia

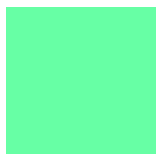
75.5972, 0.3606, 0.3598



Tritanopia

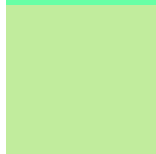
76.3239, 0.2574, 0.3108

Trichromacy



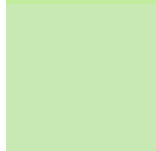
Original Color

77.1202, 0.2780, 0.4452



Protanomaly

73.7627, 0.3320, 0.4217



Deuteranomaly

73.2879, 0.3235, 0.3892



Tritanomaly

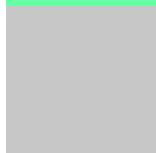
76.0677, 0.2647, 0.3565

Monochromacy



Original Color

77.1202, 0.2780, 0.4452



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1434, 0.2950, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1202, 0.2780, 0.4452 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(103, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(103, 255, 165)  
}
```

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(103, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 77.1202, 0.2780, 0.4452 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(103, 255, 165) }
```

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

```
.border{ border-color:rgb(103, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 255, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 255, 165); box-shadow:4px 4px 4px 4px rgb(103, 255, 165) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1202, 0.2780, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 255, 165) }
```

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

```
.background{ background-color: rgb(103,  
255, 165) }
```

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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