

Converting Colors

$Y_{xy}(77.2286, 0.2725, 0.4335)$

Have a look what the booklet for
Yxy(77.2286, 0.2725, 0.4335)
contains.

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Color

Yxy(77.2286, 0.2725, 0.4335)

Conversions

Conversions Part 1

Format	Color
Hex	63FFAE
RGB	99, 255, 174
RGB Percent	39%, 100%, 68%
CMY	0.6116, 0.0000, 0.3178
CMYK	0.61, 0.00, 0.32, 0.00
HSL	149°, 100%, 69%
HSV	149°, 61%, 100%
XYZ	48.5462, 77.2286, 52.3765
YIQ	199.1220, -66.9750, -58.2630

Conversions

Conversions Part 2

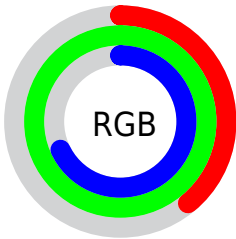
Format	Color
RYB	99, 204, 255
Decimal	6553518
CIELab	90.43, -59.06, 26.79
CIELCh	90, 64.850, 155.603
Yxy	77.2286, 0.2725, 0.4335
Android (android.graphics.Color)	4284743598 (0xFF63FFAE)
YUV	199.1220, -12.3851, -87.8070
Hunter-Lab	87.8798, -55.1833, 26.1789

Details

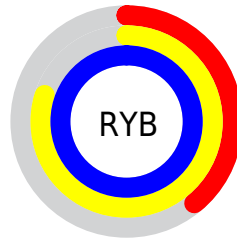
The Yxy color **77.2286, 0.2725, 0.4335** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **33.4897, 0.4018, 0.2494**, and the grayscale version is **57.3053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9146, 0.2732, 0.3573**, and **41.3130, 0.2615, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **75.5212, 0.2704, 0.4542**, and if you desaturate by 10%, it is **79.4428, 0.2764, 0.4132**.

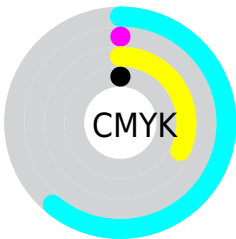
Distribution



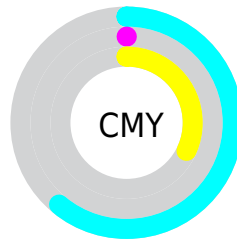
- Red (39%)
- Green (100%)
- Blue (68%)



- Red (39%)
- Yellow (80%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2286, 0.2725, 0.4335 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 77.2286, 0.2725, 0.4335 by changing the saturation by 10% instead.


 77.2286, 0.2725,
0.4335

 77.2286, 0.2725,
0.4335


485.5431, 0.2925,
0.3823


 57.4405, 0.2676,
0.4458

 129.4621, 0.2797,
0.4152

 41.3590, 0.2613,
0.4614


 162.6764, 0.2825,
0.4082

 28.5997, 0.2531,
0.4817


 201.1347, 0.2848,
0.4023

 18.7782, 0.2419,
0.5089

245.2217, 0.2868,
0.3972

 11.5101, 0.2258,
0.5474

295.3216, 0.2885,
0.3928

 6.4111, 0.2013,
0.6047


351.8189, 0.2900,


 3.0966, 0.1611,


0.3889


0.7048


415.0979, 0.2913,
0.3854


 1.1824, 0.0000,
1.0000


 0.0472, 0.0000,
1.0000


 77.2286, 0.2725,
0.4335

 77.2286, 0.2725,
0.4335

 75.5212, 0.2704,
0.4542


 79.4428, 0.2764,
0.4132


 74.2709, 0.2703,
0.4747

 82.2001, 0.2818,
0.3938

 73.4243, 0.2722,
0.4944

 85.5374, 0.2884,
0.3757

 72.9379, 0.2752,
0.5107

 89.4874, 0.2958,
0.3590

 94.0805, 0.3036,
0.3440

 99.3446, 0.3118,
0.3305

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.



77.2286, 0.3451, 0.4698



77.2286, 0.2725, 0.4335



77.2286, 0.2147, 0.3561

Triad

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



77.2286, 0.2725, 0.4335



77.2286, 0.2116, 0.2137



77.2286, 0.4601, 0.3493

Complementary

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



77.2286, 0.2725, 0.4335



33.4897, 0.4018, 0.2494

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.



77.2286, 0.4161, 0.2949



77.2286, 0.2725, 0.4335



77.2286, 0.2661, 0.2208

Square

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



77.2286, 0.2725, 0.4335



77.2286, 0.1842, 0.2321



77.2286, 0.3412, 0.2497



77.2286, 0.4569, 0.4054

Rectangle

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



77.2286, 0.2725, 0.4335



77.2286, 0.1914, 0.3031



77.2286, 0.3412, 0.2497



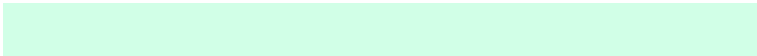
77.2286, 0.4504, 0.3306

Sweetspot

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



77.2299, 0.2725, 0.4335



90.8680, 0.2982, 0.3541



82.3935, 0.3488, 0.5010



19.1769, 0.2960, 0.3586



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.



77.2299, 0.2725, 0.4335



75.2582, 0.2702, 0.4580



81.0647, 0.2402, 0.3349



20.3136, 0.3050, 0.3416



38.1414, 0.2744, 0.5077



3.7356, 0.2684, 0.4864

Inverse Universe

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



33.4897, 0.4018, 0.2494



28.2350, 0.4287, 0.2411



31.1959, 0.5020, 0.3248



18.1447, 0.3212, 0.3167



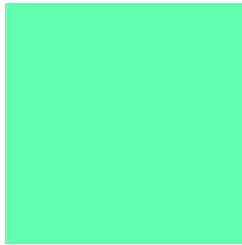
12.0166, 0.4881, 0.2463



1.1921, 0.4638, 0.2329

Previews

White Background



This preview shows how the Yxy color 77.2286, 0.2725, 0.4335 looks on a white background.

Color Contrast Check

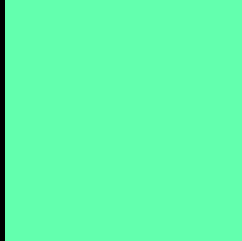
Large Text (above 18pt) WCAG AA × Fail

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 77.2286, 0.2725, 0.4335 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

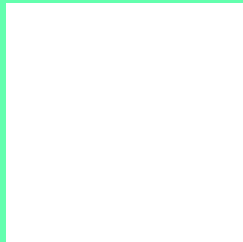
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2286, 0.2725, 0.4335

Background



This preview shows how black text looks on a background with the Yxy color 77.2286, 0.2725, 0.4335.



This preview shows how white text looks on a background with the Yxy color 77.2286, 0.2725, 0.4335.

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

77.2286, 0.2725, 0.4335

Protanopia

76.0206, 0.3690, 0.3974

Deuteranopia

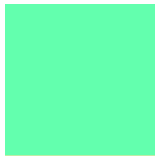
75.7733, 0.3577, 0.3557



Tritanopia

76.8093, 0.2571, 0.3120

Trichromacy



Original Color

77.2286, 0.2725, 0.4335



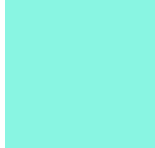
Protanomaly

74.3979, 0.3251, 0.4124



Deuteranomaly

73.2642, 0.3183, 0.3823



Tritanomaly

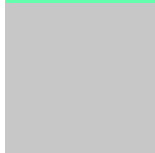
76.1142, 0.2619, 0.3516

Monochromacy



Original Color

77.2286, 0.2725, 0.4335



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

62.1673, 0.2925, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2286, 0.2725, 0.4335 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(99, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 174)  
}
```

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(99, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 77.2286, 0.2725, 0.4335 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(99, 255, 174) }
```

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

```
.border{ border-color:rgb(99, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(99, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2286, 0.2725, 0.4335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 174) }
```

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

```
.background{ background-color: rgb(99, 255,  
174) }
```

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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