

Converting Colors

$Yxy(75.9382, 0.2307, 0.3204)$

Have a look what the booklet for
Yxy(75.9382, 0.2307, 0.3204)
contains.

Yxy(75.9326, 0.2307, 0.3204)	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(75.9326, 0.2307, 0.3204)

Conversions

Conversions Part 1

Format	Color
Hex	4DF8FF
RGB	77, 248, 255
RGB Percent	30%, 97%, 100%
CMY	0.6983, 0.0274, 0.0000
CMYK	0.70, 0.03, 0.00, 0.00
HSL	182°, 100%, 65%
HSV	182°, 70%, 100%
XYZ	54.6743, 75.9326, 106.3862
YIQ	197.6690, -104.1630, -34.0750

Conversions

Conversions Part 2

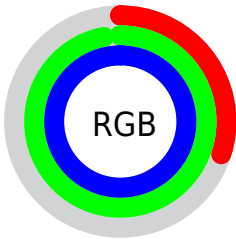
Format	Color
RYB	77, 164, 255
Decimal	5110015
CIELab	89.83, -40.32, -16.00
CIElCh	90, 43.380, 201.640
Yxy	75.9326, 0.2307, 0.3204
Android (android.graphics.Color)	4283300095 (0xFF4DF8FF)
YUV	197.6690, 28.2642, -105.8267
Hunter-Lab	87.1393, -40.4965, -11.3882

Details

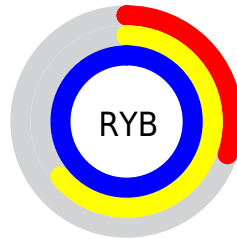
The Yxy color **75.9326, 0.2307, 0.3204** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **28.1252, 0.5452, 0.3352**, and the grayscale version is **56.1247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **41.3388, 0.2216, 0.3179** is the 20% darker color. If you saturate the color by 10%, you get **74.4609, 0.2258, 0.3191**, and if you desaturate by 10%, it is **77.8278, 0.2375, 0.3218**.

Distribution



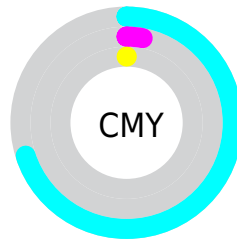
- Red (30%)
- Green (97%)
- Blue (100%)



- Red (30%)
- Yellow (64%)
- Blue (100%)



- Cyan (70%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.9326, 0.2307, 0.3204 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 75.9326, 0.2307, 0.3204 by changing the saturation by 10% instead.


 75.9326, 0.2307,
0.3204

 75.9326, 0.2307,
0.3204


481.1169, 0.2672,
0.3256

 56.3772, 0.2228,
0.3190


 127.6316, 0.2430,
0.3224


 40.5055, 0.2132,
0.3171


 160.5441, 0.2479,
0.3231

 27.9329, 0.2014,
0.3145


 198.6777, 0.2522,
0.3237

 18.2751, 0.1865,
0.3108

 242.4169, 0.2559,
0.3242

 11.1476, 0.1674,
0.3053

292.1460, 0.2592,
0.3246

 6.1662, 0.1421,
0.2965


348.2494, 0.2622,

 2.9464, 0.1078,


0.3250


0.2812


411.1116, 0.2648,
0.3253

 1.1038, 0.0119,
0.2646


 0.0000, 0.0000,
0.0000


 75.9326, 0.2307,
0.3204


 75.9326, 0.2307,
0.3204


 74.4609, 0.2258,
0.3191


 77.8278, 0.2375,
0.3218

 73.3536, 0.2228,
0.3178

 80.1825, 0.2463,
0.3231

 72.5301, 0.2213,
0.3165

 83.0372, 0.2569,
0.3244

 72.5168, 0.2212,
0.3165

 86.4259, 0.2692,
0.3257

■ 90.3796, 0.2828,
0.3269

■ 94.9270, 0.2975,
0.3280

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.



75.9326, 0.2630, 0.3722



75.9326, 0.2307, 0.3204



75.9326, 0.2194, 0.2770

Triad

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



75.9326, 0.2307, 0.3204



75.9326, 0.3083, 0.2615



75.9326, 0.3998, 0.4036

Complementary

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



75.9326, 0.2307, 0.3204



28.1252, 0.5452, 0.3352

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.



75.9326, 0.4158, 0.3683



75.9326, 0.2307, 0.3204



75.9326, 0.3608, 0.2898

Square

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



75.9326, 0.2307, 0.3204



75.9326, 0.2612, 0.2478



75.9326, 0.4015, 0.3276



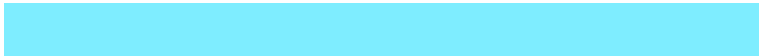
75.9326, 0.3605, 0.4222

Rectangle

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



75.9326, 0.2307, 0.3204



75.9326, 0.2240, 0.2582



75.9326, 0.4015, 0.3276



75.9326, 0.4082, 0.3931

Sweetspot

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



75.9351, 0.2307, 0.3204



89.8856, 0.2812, 0.3267



73.7180, 0.3005, 0.5487



18.9972, 0.2773, 0.3264



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.



75.9351, 0.2307, 0.3204



73.9576, 0.2244, 0.3185



33.9492, 0.2017, 0.2033



20.3519, 0.2980, 0.3280



37.9457, 0.2213, 0.3167



3.7312, 0.2217, 0.3181

Inverse Universe

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



33.3373, 0.3267, 0.1790



29.5221, 0.3291, 0.1654



51.2642, 0.4680, 0.4186



18.2873, 0.3144, 0.3065



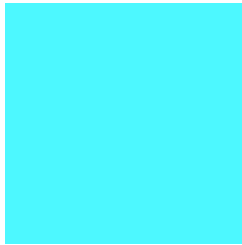
14.5586, 0.3310, 0.1597



1.4212, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 75.9326, 0.2307, 0.3204 looks on a white background.

Color Contrast Check

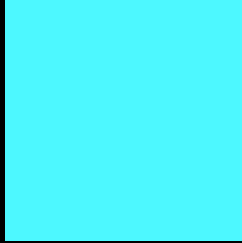
Large Text (above 18pt) WCAG AA × Fail

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 75.9326, 0.2307, 0.3204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

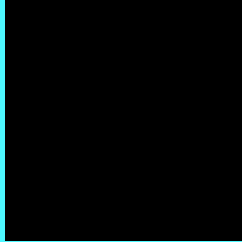
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.9326, 0.2307, 0.3204

Background



This preview shows how black text looks on a background with the Yxy color 75.9326, 0.2307, 0.3204.

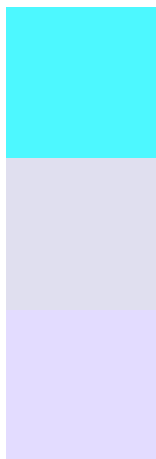


This preview shows how white text looks on a background with the Yxy color 75.9326, 0.2307, 0.3204.

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

75.9326, 0.2307, 0.3204

Protanopia

74.8546, 0.3032, 0.3121

Deuteranopia

74.7373, 0.2952, 0.2929



Tritanopia

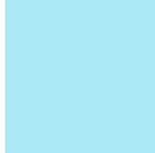
75.2910, 0.2498, 0.3116

Trichromacy



Original Color

75.9326, 0.2307, 0.3204



Protanomaly

72.9637, 0.2675, 0.3141



Deuteranomaly

72.5843, 0.2627, 0.3009



Tritanomaly

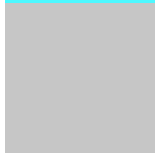
75.1727, 0.2411, 0.3148

Monochromacy



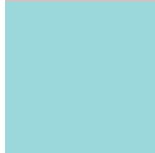
Original Color

75.9326, 0.2307, 0.3204



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.0962, 0.2696, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9326, 0.2307, 0.3204 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(77, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 248, 255)  
}
```

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(77, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.9326, 0.2307, 0.3204 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(77, 248, 255) }
```

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

```
.border{ border-color:rgb(77, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9326, 0.2307, 0.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 248, 255) }
```

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

```
.background{ background-color: rgb(77, 248,  
255) }
```

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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