

Converting Colors

$Yxy(80.7449, 0.2027, 0.2247)$

Have a look what the booklet for
Yxy(80.7449, 0.2027, 0.2247)
contains.

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Color

Yxy(73.2996, 0.2313, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	56F3FF
RGB	86, 243, 255
RGB Percent	34%, 95%, 100%
CMY	0.6635, 0.0470, 0.0000
CMYK	0.66, 0.05, 0.00, 0.00
HSL	184°, 100%, 67%
HSV	184°, 66%, 100%
XYZ	53.9256, 73.2996, 105.9161
YIQ	197.4250, -97.4240, -29.5520

Conversions

Conversions Part 2

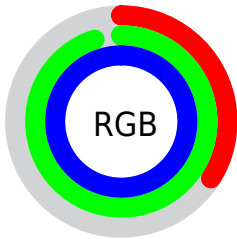
Format	Color
R_{YB}	86, 167, 255
Decimal	5698559
CIE _{Lab}	88.59, -36.90, -17.84
CIE _{LCh}	89, 40.981, 205.803
Yxy	73.2996, 0.2313, 0.3144
Android (android.graphics.Color)	4283888639 (0xFF56F3FF)
YUV	197.4250, 28.3845, -97.7197
Hunter-Lab	85.6152, -37.3966, -13.4181

Details

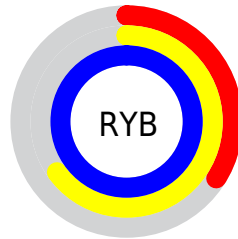
The Yxy color **73.2996, 0.2313, 0.3144** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.6268, 0.5247, 0.3400**, and the grayscale version is **55.9461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **39.1950, 0.2194, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **71.2271, 0.2253, 0.3120**, and if you desaturate by 10%, it is **75.8188, 0.2392, 0.3169**.

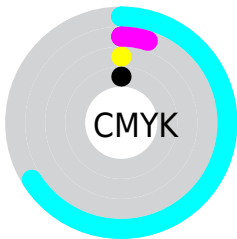
Distribution



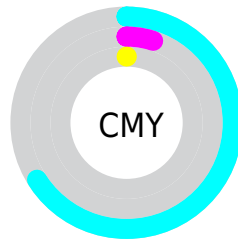
- Red (34%)
- Green (95%)
- Blue (100%)



- Red (34%)
- Yellow (65%)
- Blue (100%)



- Cyan (66%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (66%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.2996, 0.2313, 0.3144 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 73.2996, 0.2313, 0.3144 by changing the saturation by 10% instead.

 73.2996, 0.2313,
0.3144


 73.2996, 0.2313,
0.3144


472.0525, 0.2677,
0.3223


 54.2210, 0.2233,
0.3123


 123.9024, 0.2436,
0.3174


 38.7784, 0.2137,
0.3097


 156.1954, 0.2485,
0.3185

 26.5873, 0.2018,
0.3061


 193.6620, 0.2528,
0.3194

 17.2636, 0.1868,
0.3011


 236.6866, 0.2565,
0.3201

 10.4226, 0.1675,
0.2939

285.6535, 0.2598,
0.3208

 5.6800, 0.1417,
0.2827

340.9472, 0.2627,

 2.6515, 0.1068,

0.3214

0.2637

402.9521, 0.2653,
0.3219

■ 0.9526, 0.0008,
0.2424

■ 0.0000, 0.0000,
0.0000

■ 73.2996, 0.2313,
0.3144

■ 73.2996, 0.2313,
0.3144

■ 71.2271, 0.2253,
0.3120

■ 75.8188, 0.2392,
0.3169

■ 69.5456, 0.2213,
0.3095

■ 78.8186, 0.2490,
0.3193

■ 68.1970, 0.2190,
0.3072

■ 82.3381, 0.2606,
0.3216

■ 67.7541, 0.2184,
0.3063

■ 86.4101, 0.2736,
0.3238

■ 91.0647, 0.2878,
0.3259

■ 96.3300, 0.3028,
0.3279

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.



73.2996, 0.2599, 0.3636



73.2996, 0.2313, 0.3144



73.2996, 0.2233, 0.2749

Triad

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



73.2996, 0.2313, 0.3144



73.2996, 0.3156, 0.2672



73.2996, 0.3920, 0.4043

Complementary

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



73.2996, 0.2313, 0.3144



30.6268, 0.5247, 0.3400

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.



73.2996, 0.4108, 0.3722



73.2996, 0.2313, 0.3144



73.2996, 0.3651, 0.2961

Square

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



73.2996, 0.2313, 0.3144



73.2996, 0.2689, 0.2518



73.2996, 0.4011, 0.3333



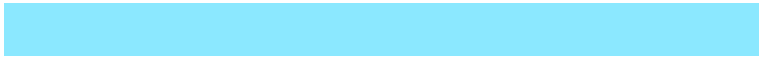
73.2996, 0.3523, 0.4184

Rectangle

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



73.2996, 0.2313, 0.3144



73.2996, 0.2297, 0.2586



73.2996, 0.4011, 0.3333



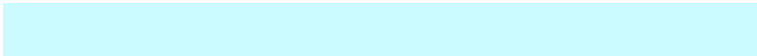
73.2996, 0.4011, 0.3950

Sweetspot

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



73.3021, 0.2313, 0.3144



89.2945, 0.2825, 0.3252



74.3547, 0.2991, 0.5327



18.8329, 0.2785, 0.3246



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.



73.3021, 0.2313, 0.3144



70.5699, 0.2237, 0.3111



34.0309, 0.2045, 0.2029



20.2482, 0.2980, 0.3273



35.4964, 0.2185, 0.3067



3.5195, 0.2193, 0.3094

Inverse Universe

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



34.3587, 0.3313, 0.1874



29.9518, 0.3351, 0.1724



55.2571, 0.4543, 0.4214



18.2769, 0.3149, 0.3072



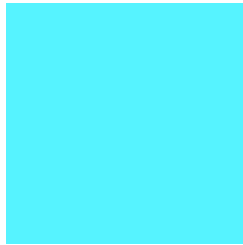
14.3113, 0.3396, 0.1644



1.3998, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 73.2996, 0.2313, 0.3144 looks on a white background.

Color Contrast Check

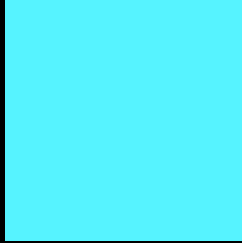
Large Text (above 18pt) WCAG AA × Fail

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 73.2996, 0.2313, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

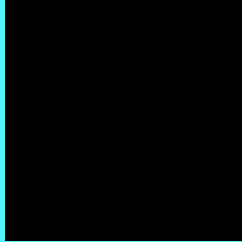
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.2996, 0.2313, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 73.2996, 0.2313, 0.3144.

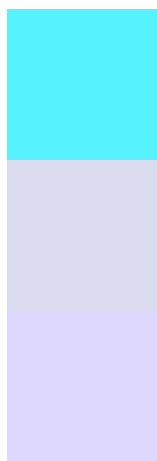


This preview shows how white text looks on a background with the Yxy color 73.2996, 0.2313, 0.3144.

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

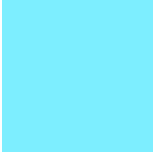
73.2996, 0.2313, 0.3144

Protanopia

72.0144, 0.2991, 0.3065

Deuteranopia

71.8613, 0.2918, 0.2883



Tritanopia

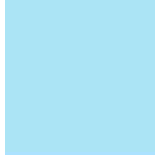
72.7290, 0.2424, 0.3089

Trichromacy



Original Color

73.2996, 0.2313, 0.3144



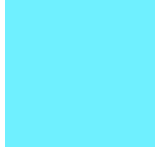
Protanomaly

70.7373, 0.2669, 0.3095



Deuteranomaly

70.3834, 0.2621, 0.2963



Tritanomaly

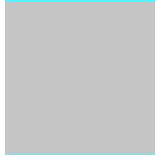
72.9197, 0.2379, 0.3111

Monochromacy



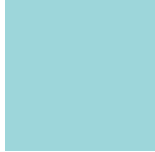
Original Color

73.2996, 0.2313, 0.3144



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

60.3232, 0.2717, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.2996, 0.2313, 0.3144 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(86, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 243, 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(86, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.2996, 0.2313, 0.3144 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(86, 243, 255) }
```

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

```
.border{ border-color:rgb(86, 243, 255) }
```

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

Here you see how a box with a 4 pixel rgb(86, 243, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.2996, 0.2313, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 243, 255) }
```

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

```
.background{ background-color: rgb(86, 243,  
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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