

Converting Colors

$Y_{xy}(69.9727, 0.2252, 0.3091)$

Have a look what the booklet for
Yxy(69.9727, 0.2252, 0.3091)
contains.

Yxy(70.0430, 0.2253, 0.3092)	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(70.0430, 0.2253, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	40EFFF
RGB	64, 239, 255
RGB Percent	25%, 94%, 100%
CMY	0.7486, 0.0628, 0.0000
CMYK	0.75, 0.06, 0.00, 0.00
HSL	185°, 100%, 63%
HSV	185°, 75%, 100%
XYZ	51.0372, 70.0430, 105.4496
YIQ	188.4990, -109.4360, -32.1240

Conversions

Conversions Part 2

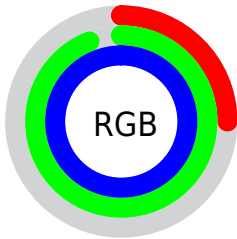
Format	Color
RYB	64, 155, 255
Decimal	4255743
CIELab	87.02, -37.64, -20.26
CIELCh	87, 42.749, 208.287
Yxy	70.0430, 0.2253, 0.3092
Android (android.graphics.Color)	4282445823 (0xFF40EFFF)
YUV	188.4990, 32.7850, -109.1856
Hunter-Lab	83.6917, -37.6070, -16.1198

Details

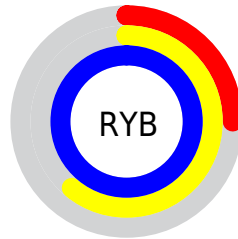
The Yxy color **70.0430, 0.2253, 0.3092** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **27.3848, 0.5616, 0.3414**, and the grayscale version is **50.4620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **68.1303, 0.2208, 0.3063**, and if you desaturate by 10%, it is **72.3641, 0.2317, 0.3121**.

Distribution



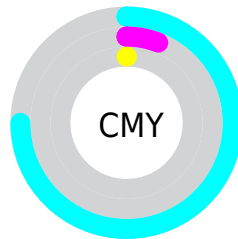
- Red (25%)
- Green (94%)
- Blue (100%)



- Red (25%)
- Yellow (61%)
- Blue (100%)



- Cyan (75%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (75%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0430, 0.2253, 0.3092 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 70.0430, 0.2253, 0.3092 by changing the saturation by 10% instead.

 70.0430, 0.2253,
0.3092

 70.0430, 0.2253,
0.3092


460.7010, 0.2645,
0.3198


 51.5616, 0.2167,
0.3065


 119.2701, 0.2386,
0.3131

 36.6557, 0.2063,
0.3030


 150.7845, 0.2439,
0.3146

 24.9411, 0.1935,
0.2983


 187.4121, 0.2485,
0.3158

 16.0331, 0.1773,
0.2919

 229.5372, 0.2525,
0.3168

 9.5476, 0.1565,
0.2826

277.5443, 0.2560,
0.3177

 5.1001, 0.1291,
0.2682

331.8177, 0.2592,

 2.3061, 0.0924,

0.3185

0.2444

392.7418, 0.2620,
0.3192

0.7769, 0.0000,
0.2095

0.0000, 0.0000,
0.0000

70.0430, 0.2253,
0.3092

70.0430, 0.2253,
0.3092

68.1303, 0.2208,
0.3063

72.3641, 0.2317,
0.3121

66.5634, 0.2181,
0.3035

75.1362, 0.2401,
0.3150

65.8508, 0.2172,
0.3020

78.4014, 0.2503,
0.3179

82.1955, 0.2622,
0.3206

■ 86.5510, 0.2755,
0.3232

■ 91.4978, 0.2899,
0.3257

■ 97.0636, 0.3051,
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.



70.0430, 0.2536, 0.3614



70.0430, 0.2253, 0.3092



70.0430, 0.2188, 0.2690

Triad

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



70.0430, 0.2253, 0.3092



70.0430, 0.3201, 0.2659



70.0430, 0.3936, 0.4106

Complementary

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



70.0430, 0.2253, 0.3092



27.3848, 0.5616, 0.3414

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.



70.0430, 0.4160, 0.3774



70.0430, 0.2253, 0.3092



70.0430, 0.3721, 0.2972

Square

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



70.0430, 0.2253, 0.3092



70.0430, 0.2700, 0.2485



70.0430, 0.4085, 0.3367



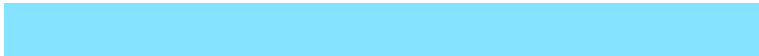
70.0430, 0.3502, 0.4239

Rectangle

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



70.0430, 0.2253, 0.3092



70.0430, 0.2268, 0.2532



70.0430, 0.4085, 0.3367



70.0430, 0.4040, 0.4010

Sweetspot

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



70.0446, 0.2253, 0.3092



87.9043, 0.2796, 0.3240



73.1930, 0.2976, 0.5538



18.5403, 0.2757, 0.3233



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.



70.0446, 0.2253, 0.3092



67.2859, 0.2192, 0.3048



28.1528, 0.1920, 0.1797



20.2055, 0.2980, 0.3269



34.5170, 0.2174, 0.3025



3.4345, 0.2183, 0.3057

Inverse Universe

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



31.1706, 0.3363, 0.1787



28.0190, 0.3409, 0.1685



52.4711, 0.4720, 0.4300



18.2726, 0.3151, 0.3075



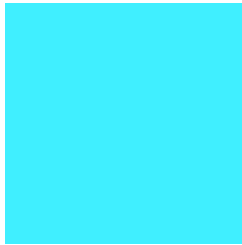
14.2125, 0.3432, 0.1664



1.3913, 0.3404, 0.1649

Previews

White Background



This preview shows how the Yxy color 70.0430, 0.2253, 0.3092 looks on a white background.

Color Contrast Check

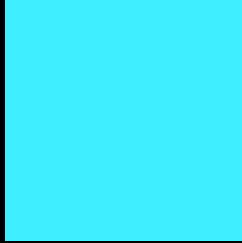
Large Text (above 18pt) WCAG AA × Fail

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 70.0430, 0.2253, 0.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

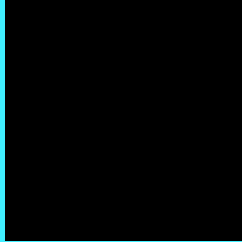
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0430, 0.2253, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 70.0430, 0.2253, 0.3092.

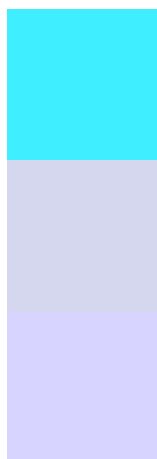


This preview shows how white text looks on a background with the Yxy color 70.0430, 0.2253, 0.3092.

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

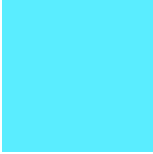
70.0430, 0.2253, 0.3092

Protanopia

68.9790, 0.2956, 0.3029

Deuteranopia

68.7540, 0.2870, 0.2834



Tritanopia

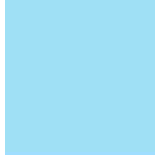
69.9620, 0.2306, 0.3070

Trichromacy



Original Color

70.0430, 0.2253, 0.3092



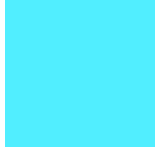
Protanomaly

67.2748, 0.2598, 0.3043



Deuteranomaly

66.9361, 0.2550, 0.2910



Tritanomaly

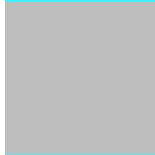
70.1184, 0.2286, 0.3082

Monochromacy



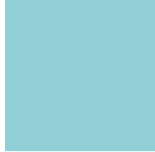
Original Color

70.0430, 0.2253, 0.3092



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

55.3590, 0.2658, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0430, 0.2253, 0.3092 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(64, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(64, 239, 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(64, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.0430, 0.2253, 0.3092 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(64, 239, 255) }
```

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

```
.border{ border-color:rgb(64, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(64, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.0430, 0.2253, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 239, 255) }
```

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

```
.background{ background-color: rgb(64, 239,  
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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