

Converting Colors

$Yxy(69.0534, 0.2203, 0.3087)$

Have a look what the booklet for
Yxy(69.0534, 0.2203, 0.3087)
contains.

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Color

Yxy(69.1726, 0.2204, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	1AEFFF
RGB	26, 239, 255
RGB Percent	10%, 94%, 100%
CMY	0.8984, 0.0627, 0.0000
CMYK	0.90, 0.06, 0.00, 0.00
HSL	184°, 100%, 55%
HSV	184°, 90%, 100%
XYZ	49.3386, 69.1726, 105.3483
YIQ	177.1370, -132.0840, -40.1800

Conversions

Conversions Part 2

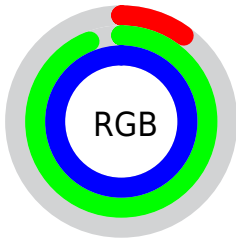
Format	Color
R _Y B	26, 136, 255
Decimal	1765375
CIE Lab	86.59, -40.36, -20.93
CIE LCh	87, 45.462, 207.417
Yxy	69.1726, 0.2204, 0.3090
Android (android.graphics.Color)	4279955455 (0xFF1AEFFF)
YUV	177.1370, 38.3865, -132.5471
Hunter-Lab	83.1701, -39.6568, -16.8813

Details

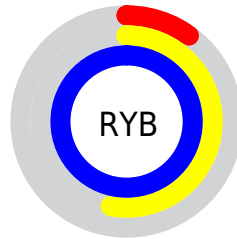
The Yxy color **69.1726, 0.2204, 0.3090** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.9811, 0.6176, 0.3359**, and the grayscale version is **43.8769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **67.9227, 0.2185, 0.3067**, and if you desaturate by 10%, it is **70.7182, 0.2238, 0.3114**.

Distribution



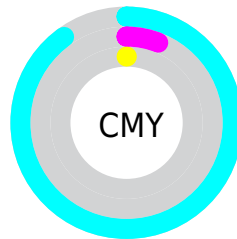
- Red (10%)
- Green (94%)
- Blue (100%)



- Red (10%)
- Yellow (53%)
- Blue (100%)



- Cyan (90%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (90%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1726, 0.2204, 0.3090 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 69.1726, 0.2204, 0.3090 by changing the saturation by 10% instead.


 69.1726, 0.2204,
0.3090


 69.1726, 0.2204,
0.3090


457.6395, 0.2618,
0.3198


 50.8523, 0.2114,
0.3062

 118.0281, 0.2344,
0.3131

 36.0911, 0.2004,
0.3025


 149.3320, 0.2400,
0.3145

 24.5045, 0.1869,
0.2976


 185.7326, 0.2448,
0.3158

 15.7083, 0.1700,
0.2909

 227.6143, 0.2491,
0.3169

 9.3180, 0.1483,
0.2810

275.3614, 0.2528,
0.3178

 4.9492, 0.1200,
0.2658

329.3584, 0.2561,

 2.2175, 0.0825,

0.3186

0.2405

389.9896, 0.2591,
0.3192

0.7295, 0.0000,
0.1998

0.0000, 0.0000,
0.0000

69.1726, 0.2204,
0.3090

69.1726, 0.2204,
0.3090

67.9227, 0.2185,
0.3067


70.7182, 0.2238,
0.3114

67.9029, 0.2185,
0.3066

72.6349, 0.2291,
0.3138

74.9772, 0.2363,
0.3162

77.7885, 0.2454,
0.3186

 81.1067, 0.2564,
0.3209

 84.9660, 0.2689,
0.3231

 89.3973, 0.2827,
0.3252

 94.4293, 0.2975,
0.3272

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



69.1726, 0.2508, 0.3652



69.1726, 0.2204, 0.3090



69.1726, 0.2130, 0.2658

Triad

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



69.1726, 0.2204, 0.3090



69.1726, 0.3187, 0.2614



69.1726, 0.3998, 0.4148

Complementary

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



69.1726, 0.2204, 0.3090



22.9811, 0.6176, 0.3359

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.



69.1726, 0.4231, 0.3787



69.1726, 0.2204, 0.3090



69.1726, 0.3747, 0.2940

Square

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



69.1726, 0.2204, 0.3090



69.1726, 0.2657, 0.2434



69.1726, 0.4143, 0.3354



69.1726, 0.3538, 0.4306

Rectangle

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



69.1726, 0.2204, 0.3090



69.1726, 0.2210, 0.2488



69.1726, 0.4143, 0.3354



69.1726, 0.4107, 0.4043

Sweetspot

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



69.1751, 0.2204, 0.3090



86.1713, 0.2727, 0.3237



71.8929, 0.2985, 0.5867



18.1368, 0.2681, 0.3230



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.



69.1751, 0.2204, 0.3090



67.9096, 0.2185, 0.3066



22.1515, 0.1775, 0.1523



20.2516, 0.2980, 0.3273



35.5764, 0.2186, 0.3070



3.5264, 0.2194, 0.3097

Inverse Universe

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



28.2256, 0.3373, 0.1665



27.3867, 0.3396, 0.1645



45.0171, 0.5066, 0.4282



18.2772, 0.3149, 0.3072



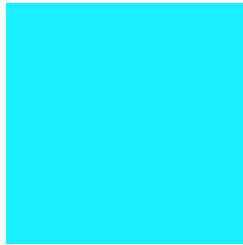
14.3194, 0.3393, 0.1643



1.4005, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 69.1726, 0.2204, 0.3090 looks on a white background.

Color Contrast Check

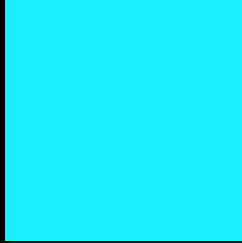
Large Text (above 18pt) WCAG AA × Fail

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 69.1726, 0.2204, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

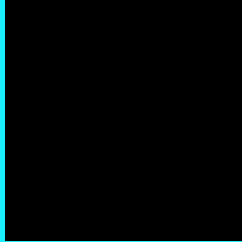
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1726, 0.2204, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 69.1726, 0.2204, 0.3090.

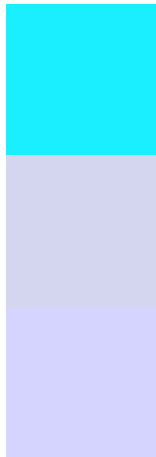


This preview shows how white text looks on a background with the Yxy color 69.1726, 0.2204, 0.3090.

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

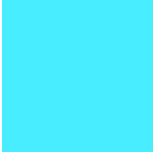
69.1726, 0.2204, 0.3090

Protanopia

67.7586, 0.2955, 0.3017

Deuteranopia

67.9547, 0.2856, 0.2822



Tritanopia

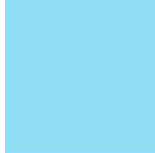
69.1661, 0.2263, 0.3068

Trichromacy



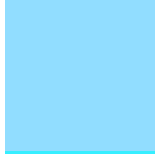
Original Color

69.1726, 0.2204, 0.3090



Protanomaly

64.7035, 0.2522, 0.3025



Deuteranomaly

64.9526, 0.2473, 0.2890



Tritanomaly

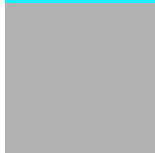
69.1813, 0.2234, 0.3079

Monochromacy



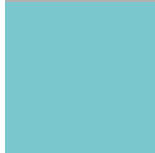
Original Color

69.1726, 0.2204, 0.3090



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

49.8539, 0.2564, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1726, 0.2204, 0.3090 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(26, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 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(26, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.1726, 0.2204, 0.3090 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(26, 239, 255) }
```

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

```
.border{ border-color:rgb(26, 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(26, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1726, 0.2204, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 239, 255) }
```

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

```
.background{ background-color: rgb(26, 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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