

Converting Colors

$Yxy(73.6601, 0.2261, 0.3207)$

Have a look what the booklet for
Yxy(73.6601, 0.2261, 0.3207)
contains.

Yxy(73.6815, 0.2260, 0.3202)	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(73.6815, 0.2260, 0.3202)

Conversions

Conversions Part 1

Format	Color
Hex	32F6FD
RGB	50, 246, 253
RGB Percent	20%, 96%, 99%
CMY	0.8036, 0.0353, 0.0078
CMYK	0.80, 0.03, 0.00, 0.01
HSL	182°, 98%, 59%
HSV	182°, 80%, 99%
XYZ	52.0051, 73.6815, 104.4243
YIQ	188.1940, -119.0630, -39.3750

Conversions

Conversions Part 2

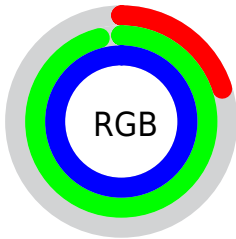
Format	Color
RYB	50, 150, 253
Decimal	3340029
CIELab	88.77, -42.65, -16.59
CIELCh	89, 45.764, 201.256
Yxy	73.6815, 0.2260, 0.3202
Android (android.graphics.Color)	4281530109 (0xFF32F6FD)
YUV	188.1940, 31.9494, -121.1961
Hunter-Lab	85.8379, -42.0718, -12.0414

Details

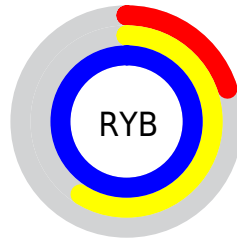
The Yxy color **73.6815, 0.2260, 0.3202** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **24.0527, 0.5908, 0.3339**, and the grayscale version is **50.2850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **40.3807, 0.2216, 0.3178** is the 20% darker color. If you saturate the color by 10%, you get **72.6769, 0.2231, 0.3191**, and if you desaturate by 10%, it is **75.0490, 0.2308, 0.3214**.

Distribution



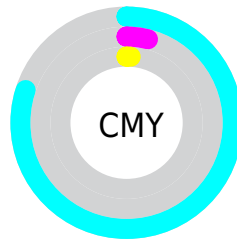
- Red (20%)
- Green (96%)
- Blue (99%)



- Red (20%)
- Yellow (59%)
- Blue (99%)



- Cyan (80%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)





- Cyan (80%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.6815, 0.2260, 0.3202 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 73.6815, 0.2260, 0.3202 by changing the saturation by 10% instead.

 73.6815, 0.2260,
0.3202

 73.6815, 0.2260,
0.3202

473.3734, 0.2647,
0.3256


 54.5334, 0.2176,
0.3187


 124.4442, 0.2391,
0.3223

 39.0283, 0.2074,
0.3166

 156.8276, 0.2443,
0.3231

 26.7817, 0.1948,
0.3138


 194.3916, 0.2488,
0.3237

 17.4094, 0.1791,
0.3098

 237.5204, 0.2528,
0.3242

 10.5268, 0.1588,
0.3037

286.5987, 0.2562,
0.3246

 5.7496, 0.1321,
0.2940

342.0107, 0.2594,

 2.6934, 0.0963,

0.3250

0.2767

404.1408, 0.2622,
0.3253

■ 0.9739, 0.0000,
0.2555

■ 0.0000, 0.0000,
0.0000

■ 73.6815, 0.2260,
0.3202

■ 73.6815, 0.2260,
0.3202

■ 72.6769, 0.2231,
0.3191


■ 75.0490, 0.2308,
0.3214

■ 71.9554, 0.2217,
0.3180


■ 76.8223, 0.2375,
0.3226

■ 79.0469, 0.2461,
0.3237

■ 81.7604, 0.2566,
0.3249

 84.9961, 0.2688,
0.3260

 88.7847, 0.2823,
0.3271

 93.1543, 0.2969,
0.3281

 98.1312, 0.3124,
0.3290

 99.1582, 0.3139,
0.3298

Harmonies

Analogous

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



73.6815, 0.2603, 0.3759



73.6815, 0.2260, 0.3202



73.6815, 0.2139, 0.2739

Triad

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



73.6815, 0.2260, 0.3202



73.6815, 0.3072, 0.2572



73.6815, 0.4055, 0.4075

Complementary

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



73.6815, 0.2260, 0.3202



24.0527, 0.5908, 0.3339

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.



73.6815, 0.4225, 0.3696



73.6815, 0.2260, 0.3202



73.6815, 0.3631, 0.2869

Square

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



73.6815, 0.2260, 0.3202



73.6815, 0.2573, 0.2430



73.6815, 0.4070, 0.3266



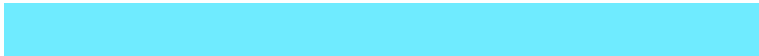
73.6815, 0.3638, 0.4283

Rectangle

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



73.6815, 0.2260, 0.3202



73.6815, 0.2186, 0.2541



73.6815, 0.4070, 0.3266



73.6815, 0.4145, 0.3961

Sweetspot

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



73.6842, 0.2260, 0.3202



88.8396, 0.2770, 0.3267



71.2366, 0.2997, 0.5742



18.7238, 0.2722, 0.3263



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.



73.6842, 0.2260, 0.3202



73.5216, 0.2221, 0.3184



27.9572, 0.1894, 0.1817



20.3673, 0.2980, 0.3281



38.3178, 0.2217, 0.3181



3.7633, 0.2221, 0.3194

Inverse Universe

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



29.8276, 0.3275, 0.1676



28.1680, 0.3295, 0.1598



45.6773, 0.4938, 0.4226



18.2889, 0.3143, 0.3064



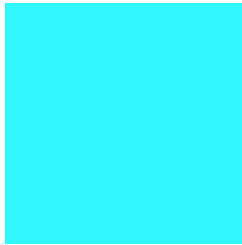
14.5962, 0.3298, 0.1590



1.4244, 0.3287, 0.1584

Previews

White Background



This preview shows how the Yxy color 73.6815, 0.2260, 0.3202 looks on a white background.

Color Contrast Check

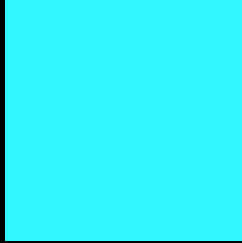
Large Text (above 18pt) WCAG AA × Fail

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 73.6815, 0.2260, 0.3202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

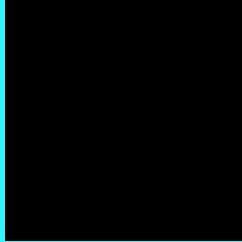
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.6815, 0.2260, 0.3202

Background



This preview shows how black text looks on a background with the Yxy color 73.6815, 0.2260, 0.3202.

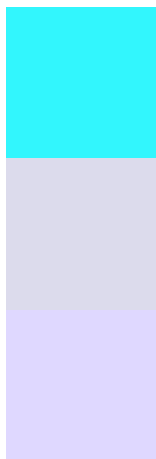


This preview shows how white text looks on a background with the Yxy color 73.6815, 0.2260, 0.3202.

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

73.6815, 0.2260, 0.3202

Protanopia

71.9348, 0.3024, 0.3108

Deuteranopia

72.0197, 0.2925, 0.2884



Tritanopia

73.1640, 0.2419, 0.3101

Trichromacy



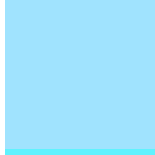
Original Color

73.6815, 0.2260, 0.3202



Protanomaly

69.7185, 0.2616, 0.3137



Deuteranomaly

69.5675, 0.2564, 0.2980



Tritanomaly

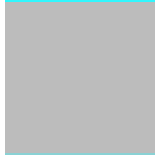
73.1468, 0.2341, 0.3144

Monochromacy



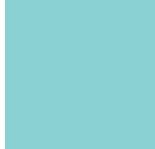
Original Color

73.6815, 0.2260, 0.3202



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

55.7577, 0.2632, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.6815, 0.2260, 0.3202 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(50, 246, 253)` looks like.

```
.text, #text, p{  
    color:rgb(50, 246, 253)  
}
```

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(50, 246, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 246, 253) }
```

Border

The CSS property to change the border of an element to Yxy 73.6815, 0.2260, 0.3202 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(50, 246, 253) }
```

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

```
.border{ border-color:rgb(50, 246, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 246, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 246, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 246, 253);  
box-shadow:4px 4px 4px 4px rgb(50, 246,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 73.6815, 0.2260, 0.3202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 246, 253) }
```

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

```
.background{ background-color: rgb(50, 246,  
253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor