

Converting Colors

$Y_{xy}(73.0357, 0.2436, 0.3896)$

Have a look what the booklet for
Yxy(73.0357, 0.2436, 0.3896)
contains.

Yxy(73.0379, 0.2436, 0.3895)	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(73.0379, 0.2436, 0.3895)

Conversions

Conversions Part 1

Format	Color
Hex	20FACC
RGB	32, 250, 204
RGB Percent	13%, 98%, 80%
CMY	0.8742, 0.0196, 0.2001
CMYK	0.87, 0.00, 0.18, 0.02
HSL	167°, 96%, 55%
HSV	167°, 87%, 98%
XYZ	45.6792, 73.0379, 68.8000
YIQ	179.5740, -115.1620, -60.5220

Conversions

Conversions Part 2

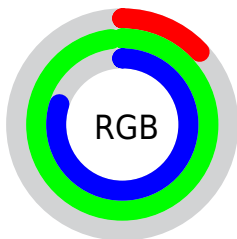
Format	Color
R _Y B	32, 154, 250
Decimal	2161356
CIE Lab	88.47, -58.63, 8.49
CIE LCh	88, 59.247, 171.760
Yxy	73.0379, 0.2436, 0.3895
Android (android.graphics.Color)	4280351436 (0xFF20FACC)
YUV	179.5740, 12.0420, -129.4224
Hunter-Lab	85.4622, -54.1514, 12.0931

Details

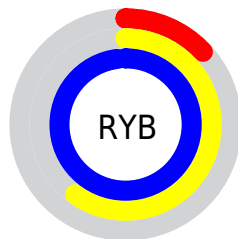
The Yxy color **73.0379, 0.2436, 0.3895** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **21.9137, 0.5698, 0.3022**, and the grayscale version is **45.3951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **39.9013, 0.2447, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **72.5290, 0.2440, 0.3973**, and if you desaturate by 10%, it is **73.8623, 0.2450, 0.3817**.

Distribution



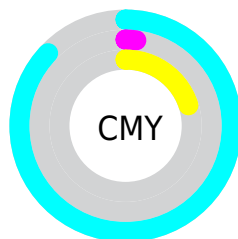
- Red (13%)
- Green (98%)
- Blue (80%)



- Red (13%)
- Yellow (60%)
- Blue (98%)



- Cyan (87%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)




- Cyan (87%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0379, 0.2436, 0.3895 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 73.0379, 0.2436, 0.3895 by changing the saturation by 10% instead.

 73.0379, 0.2436,
0.3895


 73.0379, 0.2436,
0.3895

471.1462, 0.2758,
0.3606


 54.0070, 0.2362,
0.3963


 123.5310, 0.2548,
0.3793


 38.6072, 0.2272,
0.4048


 155.7620, 0.2591,
0.3754

 26.4543, 0.2157,
0.4157


 193.1617, 0.2629,
0.3721

 17.1638, 0.2008,
0.4302

 236.1147, 0.2661,
0.3692

 10.3514, 0.1807,
0.4503

285.0052, 0.2690,
0.3666

 5.6325, 0.1525,
0.4800

340.2177, 0.2715,

 2.6230, 0.1037,

0.3644

0.5317

402.1365, 0.2737,
0.3624

■ 0.9382, 0.0000,
0.6873

■ 0.0000, 0.0000,
0.0000

■ 73.0379, 0.2436,
0.3895

■ 73.0379, 0.2436,
0.3895

■ 72.5290, 0.2440,
0.3973


■ 73.8623, 0.2450,
0.3817


■ 72.4143, 0.2443,
0.3994

■ 75.0538, 0.2484,
0.3738


■ 76.6623, 0.2538,
0.3661


■ 78.7275, 0.2611,
0.3586

 81.2846, 0.2700,
0.3515

 84.3652, 0.2803,
0.3447

 87.9984, 0.2916,
0.3385

 92.2108, 0.3037,
0.3328

 96.6305, 0.3150,
0.3276

Harmonies

Analogous

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



73.0379, 0.3066, 0.4474



73.0379, 0.2436, 0.3895



73.0379, 0.2021, 0.3144

Triad

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



73.0379, 0.2436, 0.3895



73.0379, 0.2426, 0.2213



73.0379, 0.4543, 0.3779

Complementary

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



73.0379, 0.2436, 0.3895



21.9137, 0.5698, 0.3022

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.



73.0379, 0.4361, 0.3246



73.0379, 0.2436, 0.3895



73.0379, 0.3058, 0.2395

Square

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



73.0379, 0.2436, 0.3895



73.0379, 0.2025, 0.2255



73.0379, 0.3788, 0.2761



73.0379, 0.4297, 0.4275

Rectangle

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



73.0379, 0.2436, 0.3895



73.0379, 0.1900, 0.2725



73.0379, 0.3788, 0.2761



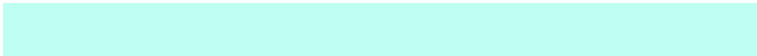
73.0379, 0.4532, 0.3601

Sweetspot

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



73.0407, 0.2436, 0.3895



88.6511, 0.2815, 0.3440



70.1537, 0.3121, 0.5808



18.7173, 0.2778, 0.3463



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.



73.0407, 0.2436, 0.3895



75.7436, 0.2443, 0.3995



43.2879, 0.2038, 0.2458



19.5421, 0.3008, 0.3341



38.4312, 0.2439, 0.3982



3.5745, 0.2414, 0.3889

Inverse Universe

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



21.9137, 0.5698, 0.3022



21.5250, 0.6086, 0.3127



28.4037, 0.5699, 0.3707



17.2852, 0.3261, 0.3240



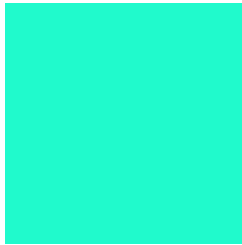
10.9327, 0.6048, 0.3105



1.0273, 0.5728, 0.2929

Previews

White Background



This preview shows how the Yxy color 73.0379, 0.2436, 0.3895 looks on a white background.

Color Contrast Check

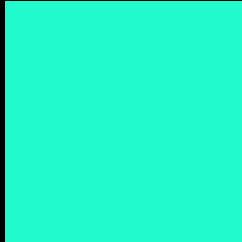
Large Text (above 18pt) WCAG AA × Fail

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 73.0379, 0.2436, 0.3895 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

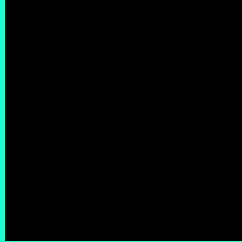
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.0379, 0.2436, 0.3895

Background



This preview shows how black text looks on a background with the Yxy color 73.0379, 0.2436, 0.3895.



This preview shows how white text looks on a background with the Yxy color 73.0379, 0.2436, 0.3895.

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

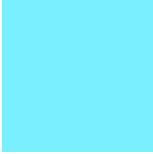
73.0379, 0.2436, 0.3895

Protanopia

71.2828, 0.3429, 0.3629

Deuteranopia

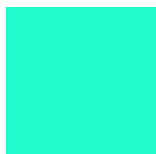
71.5751, 0.3366, 0.3301



Tritanopia

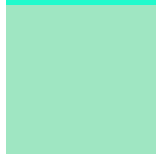
72.3621, 0.2406, 0.3088

Trichromacy



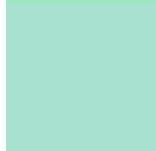
Original Color

73.0379, 0.2436, 0.3895



Protanomaly

67.8596, 0.2882, 0.3737



Deuteranomaly

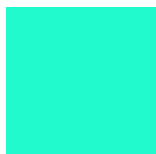
67.2117, 0.2842, 0.3496



Tritanomaly

71.6351, 0.2390, 0.3362

Monochromacy



Original Color

73.0379, 0.2436, 0.3895



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

51.7724, 0.2687, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0379, 0.2436, 0.3895 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(32, 250, 204)` looks like.

```
.text, #text, p{  
    color:rgb(32, 250, 204)  
}
```

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(32, 250, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 250, 204) }
```

Border

The CSS property to change the border of an element to Yxy 73.0379, 0.2436, 0.3895 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(32, 250, 204) }
```

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

```
.border{ border-color:rgb(32, 250, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 250, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 250, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 250, 204);  
box-shadow:4px 4px 4px 4px rgb(32, 250,  
204) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 73.0379, 0.2436, 0.3895$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 250, 204) }
```

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

```
.background{ background-color: rgb(32, 250,  
204) }
```

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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