

Converting Colors

$Y_{xy}(76.2547, 0.2455, 0.3951)$

Have a look what the booklet for
Yxy(76.2547, 0.2455, 0.3951)
contains.

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Color

Yxy(76.2547, 0.2455, 0.3951)

Conversions

Conversions Part 1

Format	Color
Hex	24FFCC
RGB	36, 255, 204
RGB Percent	14%, 100%, 80%
CMY	0.8599, 0.0000, 0.1999
CMYK	0.86, 0.00, 0.20, 0.00
HSL	166°, 100%, 57%
HSV	166°, 86%, 100%
XYZ	47.3817, 76.2547, 69.3646
YIQ	183.7050, -114.1530, -62.2890

Conversions

Conversions Part 2

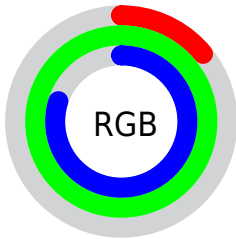
Format	Color
R_{YB}	36, 160, 255
Decimal	2424780
CIE _{Lab}	89.98, -60.34, 10.63
CIE _{LCh}	90, 61.273, 170.010
Yxy	76.2547, 0.2455, 0.3951
Android (android.graphics.Color)	4280614860 (0xFF24FFCC)
YUV	183.7050, 10.0054, -129.5373
Hunter-Lab	87.3239, -55.9632, 14.0306

Details

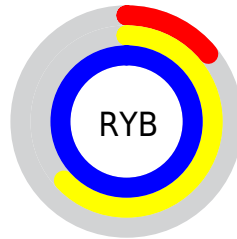
The Yxy color **76.2547, 0.2455, 0.3951** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.1887, 0.5594, 0.2977**, and the grayscale version is **47.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **42.1345, 0.2467, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **75.6679, 0.2459, 0.4037**, and if you desaturate by 10%, it is **77.1704, 0.2470, 0.3864**.

Distribution



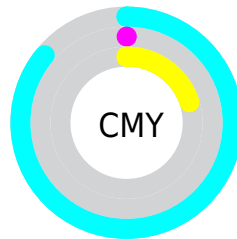
- Red (14%)
- Green (100%)
- Blue (80%)



- Red (14%)
- Yellow (63%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (86%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.2547, 0.2455, 0.3951 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 76.2547, 0.2455, 0.3951 by changing the saturation by 10% instead.

 76.2547, 0.2455,
0.3951

 76.2547, 0.2455,
0.3951


482.2191, 0.2767,
0.3636

 56.6414, 0.2384,
0.4025


 128.0869, 0.2563,
0.3840


 40.7174, 0.2296,
0.4117


 161.0745, 0.2605,
0.3797

 28.0983, 0.2186,
0.4236


 199.2891, 0.2642,
0.3761

 18.3998, 0.2042,
0.4394

 243.1149, 0.2673,
0.3729

 11.2374, 0.1849,
0.4612

292.9365, 0.2701,
0.3701

 6.2267, 0.1578,
0.4934


349.1381, 0.2725,

 2.9834, 0.1152,

0.3677


0.5463

412.1042, 0.2747,
0.3655


 1.1231, 0.0000,
0.7096

 0.0000, 0.0000,
0.0000


 76.2547, 0.2455,
0.3951


 76.2547, 0.2455,
0.3951


 75.6679, 0.2459,
0.4037

 77.1704, 0.2470,
0.3864


 75.4929, 0.2464,
0.4072


 78.4851, 0.2504,
0.3777

 80.2437, 0.2559,
0.3691

 82.4872, 0.2632,
0.3608

 85.2522, 0.2721,
0.3529

 88.5715, 0.2822,
0.3455

 92.4753, 0.2935,
0.3387

 96.9914, 0.3054,
0.3325

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.



76.2547, 0.3103, 0.4520



76.2547, 0.2455, 0.3951



76.2547, 0.2019, 0.3182

Triad

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



76.2547, 0.2455, 0.3951



76.2547, 0.2383, 0.2191



76.2547, 0.4571, 0.3753

Complementary

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



76.2547, 0.2455, 0.3951



23.1887, 0.5594, 0.2977

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.



76.2547, 0.4360, 0.3213



76.2547, 0.2455, 0.3951



76.2547, 0.3013, 0.2364

Square

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



76.2547, 0.2455, 0.3951



76.2547, 0.1991, 0.2248



76.2547, 0.3759, 0.2725



76.2547, 0.4342, 0.4264

Rectangle

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



76.2547, 0.2455, 0.3951



76.2547, 0.1885, 0.2745



76.2547, 0.3759, 0.2725



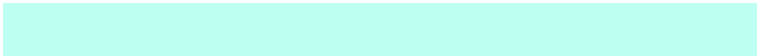
76.2547, 0.4552, 0.3571

Sweetspot

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



76.2512, 0.2455, 0.3951



88.5673, 0.2822, 0.3456



73.6668, 0.3139, 0.5781



18.6971, 0.2786, 0.3481



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.



76.2512, 0.2455, 0.3951



75.4929, 0.2464, 0.4072



47.3087, 0.2059, 0.2521



20.4050, 0.3011, 0.3346



39.4708, 0.2460, 0.4057



3.8598, 0.2433, 0.3959

Inverse Universe

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



23.1887, 0.5594, 0.2977



21.5787, 0.6028, 0.3094



29.4271, 0.5702, 0.3682



18.0563, 0.3258, 0.3235



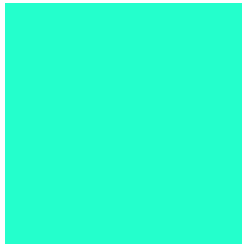
11.2941, 0.5989, 0.3073



1.1156, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 76.2547, 0.2455, 0.3951 looks on a white background.

Color Contrast Check

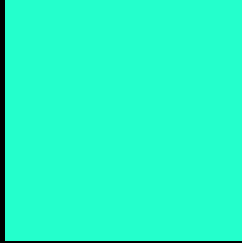
Large Text (above 18pt) WCAG AA × Fail

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 76.2547, 0.2455, 0.3951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

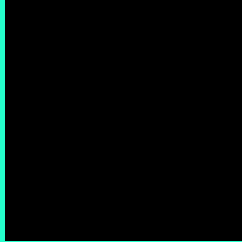
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.2547, 0.2455, 0.3951

Background



This preview shows how black text looks on a background with the Yxy color 76.2547, 0.2455, 0.3951.



This preview shows how white text looks on a background with the Yxy color 76.2547, 0.2455, 0.3951.

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

76.2547, 0.2455, 0.3951

Protanopia

74.7750, 0.3457, 0.3676

Deuteranopia

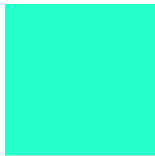
74.1892, 0.3407, 0.3332



Tritanopia

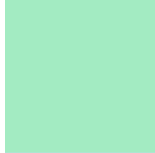
75.3798, 0.2503, 0.3116

Trichromacy



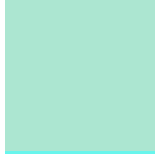
Original Color

76.2547, 0.2455, 0.3951



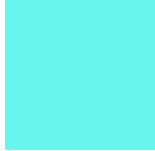
Protanomaly

71.0982, 0.2909, 0.3791



Deuteranomaly

69.9677, 0.2875, 0.3541



Tritanomaly

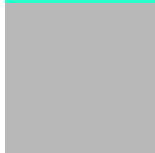
74.3040, 0.2447, 0.3398

Monochromacy



Original Color

76.2547, 0.2455, 0.3951



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.6006, 0.2707, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.2547, 0.2455, 0.3951 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(36, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 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(36, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 76.2547, 0.2455, 0.3951 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(36, 255, 204) }
```

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

```
.border{ border-color:rgb(36, 255, 204) }
```

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

Here you see how a box with a 4 pixel rgb(36, 255, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
204) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 76.2547, 0.2455, 0.3951$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 204) }
```

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

```
.background{ background-color: rgb(36, 255,  
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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