

Converting Colors

$Y_{xy}(69.1967, 0.2475, 0.3959)$

Have a look what the booklet for
Yxy(69.1967, 0.2475, 0.3959)
contains.

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Color

Yxy(69.1773, 0.2476, 0.3964)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 2EF4C2 |
| RGB | 46, 244, 194 |
| RGB Percent | 18%, 96%, 76% |
| CMY | 0.8204, 0.0431, 0.2391 |
| CMYK | 0.81, 0.00, 0.20, 0.04 |
| HSL | 165°, 90%, 57% |
| HSV | 165°, 81%, 96% |
| XYZ | 43.2096, 69.1773, 62.1269 |
| YIQ | 179.0980, -101.9580, -57.5260 |

Conversions

Conversions Part 2

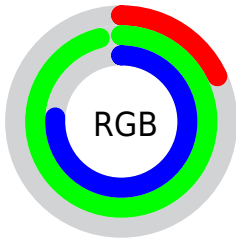
| Format | Color |
|-------------------------------------|---|
| RYB | 46, 159, 244 |
| Decimal | 3077314 |
| CIELab | 86.59, -57.75, 11.00 |
| CIELCh | 87, 58.784, 169.216 |
| Yxy | 69.1773, 0.2476, 0.3964 |
| Android (android.graphics.Color) | 4281267394 (0xFF2EF4C2) |
| YUV | 179.0980, 7.3467, -116.7269 |
| Hunter-Lab | 83.1729, -52.8190, 13.9337 |

Details

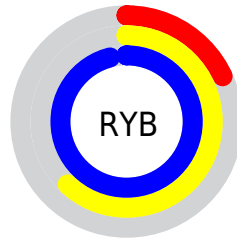
The Yxy color **69.1773, 0.2476, 0.3964** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.0132, 0.5347, 0.2915**, and the grayscale version is **45.1045, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9207, 0.2484, 0.3334**, and **37.4341, 0.2479, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **68.4969, 0.2473, 0.4059**, and if you desaturate by 10%, it is **70.1956, 0.2499, 0.3869**.

Distribution



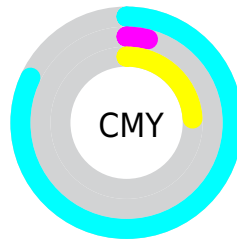
- Red (18%)
- Green (96%)
- Blue (76%)



- Red (18%)
- Yellow (62%)
- Blue (96%)



- Cyan (81%)
- Magenta (0%)
- Yellow (20%)
- Black (4%)




- Cyan (82%)
- Magenta (4%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.1773, 0.2476, 0.3964 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 69.1773, 0.2476, 0.3964 by changing the saturation by 10% instead.


 69.1773, 0.2476,
0.3964


 69.1773, 0.2476,
0.3964


457.6561, 0.2784,
0.3637

 50.8561, 0.2404,
0.4043


 118.0348, 0.2584,
0.3847

 36.0941, 0.2315,
0.4142


 149.3399, 0.2626,
0.3803

 24.5069, 0.2201,
0.4271

 185.7417, 0.2662,
0.3765

 15.7101, 0.2051,
0.4444

 227.6247, 0.2693,
0.3732

 9.3192, 0.1845,
0.4690

275.3732, 0.2720,
0.3704

 4.9500, 0.1550,
0.5063

329.3717, 0.2744,

 2.2179, 0.0882,

0.3679

390.0045, 0.2765,
0.3656

0.5821

0.7297, 0.0000,
0.9661

0.0000, 0.0000,
0.0000

69.1773, 0.2476,
0.3964

69.1773, 0.2476,
0.3964

68.4969, 0.2473,
0.4059

70.1956, 0.2499,
0.3869

68.1050, 0.2484,
0.4141


71.5914, 0.2542,
0.3774


73.4074, 0.2604,
0.3682

75.6783, 0.2683,
0.3594

 78.4352, 0.2776,
0.3511

 81.7065, 0.2881,
0.3433

 85.5183, 0.2994,
0.3362

 89.8949, 0.3112,
0.3298

 92.8327, 0.3166,
0.3238

Harmonies

Analogous

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



69.1773, 0.3123, 0.4517



69.1773, 0.2476, 0.3964



69.1773, 0.2036, 0.3203

Triad

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



69.1773, 0.2476, 0.3964



69.1773, 0.2375, 0.2198



69.1773, 0.4559, 0.3736

Complementary

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



69.1773, 0.2476, 0.3964



22.0132, 0.5347, 0.2915

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.



69.1773, 0.4338, 0.3201



69.1773, 0.2476, 0.3964



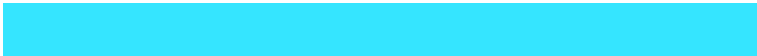
69.1773, 0.2996, 0.2364

Square

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



69.1773, 0.2476, 0.3964



69.1773, 0.1993, 0.2261



69.1773, 0.3734, 0.2719



69.1773, 0.4343, 0.4245

Rectangle

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



69.1773, 0.2476, 0.3964



69.1773, 0.1897, 0.2766



69.1773, 0.3734, 0.2719



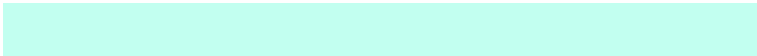
69.1773, 0.4536, 0.3556

Sweetspot

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



69.1800, 0.2476, 0.3964



89.2284, 0.2850, 0.3455



67.5365, 0.3187, 0.5671



18.8205, 0.2813, 0.3482



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.



69.1800, 0.2476, 0.3964



75.4028, 0.2480, 0.4115



47.3866, 0.2115, 0.2666



18.6822, 0.3014, 0.3350



37.0512, 0.2479, 0.4126



3.2729, 0.2447, 0.4008

Inverse Universe

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



22.0132, 0.5347, 0.2915



21.8686, 0.5886, 0.3034



27.0923, 0.5602, 0.3645



16.5511, 0.3254, 0.3231



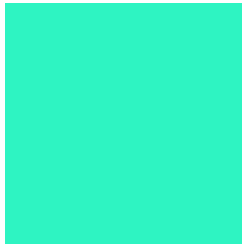
10.6627, 0.5924, 0.3037



0.9530, 0.5575, 0.2845

Previews

White Background



This preview shows how the Yxy color 69.1773, 0.2476, 0.3964 looks on a white background.

Color Contrast Check

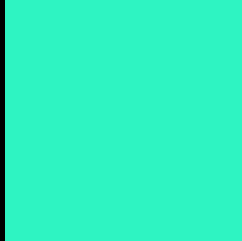
Large Text (above 18pt) WCAG AA × Fail

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 69.1773, 0.2476, 0.3964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

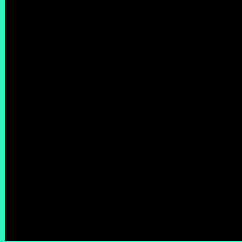
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.1773, 0.2476, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 69.1773, 0.2476, 0.3964.

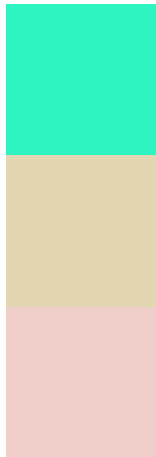


This preview shows how white text looks on a background with the Yxy color 69.1773, 0.2476, 0.3964.

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

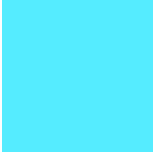
69.1773, 0.2476, 0.3964

Protanopia

67.6787, 0.3473, 0.3680

Deuteranopia

67.4152, 0.3418, 0.3344



Tritanopia

69.1422, 0.2290, 0.3057

Trichromacy



Original Color

69.1773, 0.2476, 0.3964



Protanomaly

64.8882, 0.2951, 0.3808



Deuteranomaly

63.7449, 0.2910, 0.3549



Tritanomaly

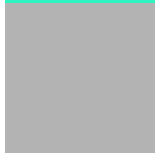
68.9558, 0.2350, 0.3364

Monochromacy



Original Color

69.1773, 0.2476, 0.3964



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

50.9979, 0.2744, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.1773, 0.2476, 0.3964 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(46, 244, 194)` looks like.

```
.text, #text, p{  
    color:rgb(46, 244, 194)  
}
```

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(46, 244, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 244, 194) }
```

Border

The CSS property to change the border of an element to Yxy 69.1773, 0.2476, 0.3964 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(46, 244, 194) }
```

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

```
.border{ border-color:rgb(46, 244, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 244, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 244, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 244, 194);  
box-shadow:4px 4px 4px 4px rgb(46, 244,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 69.1773, 0.2476, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 244, 194) }
```

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

```
.background{ background-color: rgb(46, 244,  
194) }
```

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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