

Converting Colors

$Yxy(69.6159, 0.2347, 0.3428)$

Have a look what the booklet for
Yxy(69.6159, 0.2347, 0.3428)
contains.

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Color

Yxy(69.6159, 0.2347, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	3DF1E6
RGB	61, 241, 230
RGB Percent	24%, 95%, 90%
CMY	0.7609, 0.0549, 0.0980
CMYK	0.75, 0.00, 0.05, 0.05
HSL	176°, 87%, 59%
HSV	176°, 75%, 95%
XYZ	47.6629, 69.6159, 85.8014
YIQ	185.9260, -103.7490, -41.5810

Conversions

Conversions Part 2

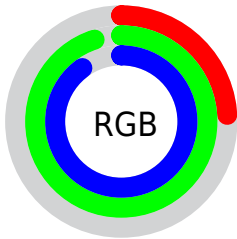
Format	Color
RYB	61, 154, 241
Decimal	4059622
CIELab	86.81, -45.90, -7.48
CIELCh	87, 46.505, 189.251
Yxy	69.6159, 0.2347, 0.3428
Android (android.graphics.Color)	4282249702 (0xFF3DF1E6)
YUV	185.9260, 21.7285, -109.5601
Hunter-Lab	83.4361, -44.0451, -2.5655

Details

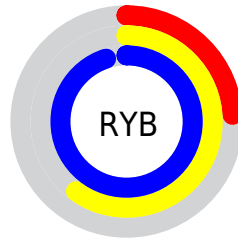
The Yxy color **69.6159, 0.2347, 0.3428** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **22.5033, 0.5586, 0.3214**, and the grayscale version is **48.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **37.3761, 0.2288, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **68.9360, 0.2316, 0.3449**, and if you desaturate by 10%, it is **70.6450, 0.2397, 0.3407**.

Distribution



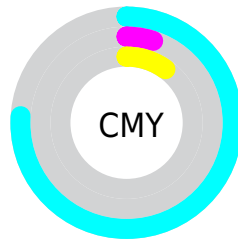
- Red (24%)
- Green (95%)
- Blue (90%)



- Red (24%)
- Yellow (60%)
- Blue (95%)



- Cyan (75%)
- Magenta (0%)
- Yellow (5%)
- Black (5%)





- Cyan (76%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6159, 0.2347, 0.3428 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 69.6159, 0.2347, 0.3428 by changing the saturation by 10% instead.


 69.6159, 0.2347,
0.3428

 69.6159, 0.2347,
0.3428

459.2002, 0.2703,
0.3372

 51.2135, 0.2267,
0.3439


 118.6608, 0.2469,
0.3410


 36.3785, 0.2170,
0.3451


 150.0721, 0.2517,
0.3403

 24.7267, 0.2049,
0.3464


 186.5885, 0.2558,
0.3396

 15.8735, 0.1894,
0.3479

 228.5943, 0.2595,
0.3390

 9.4347, 0.1689,
0.3492

276.4740, 0.2627,
0.3385

 5.0258, 0.1410,
0.3500

330.6120, 0.2655,

 2.2624, 0.0999,

0.3380

391.3926, 0.2680,
0.3376

0.3488

0.7537, 0.0000,
0.3507

0.0000, 0.0000,
0.0000

69.6159, 0.2347,
0.3428

69.6159, 0.2347,
0.3428

68.9360, 0.2316,
0.3449

70.6450, 0.2397,
0.3407


68.5473, 0.2302,
0.3469

72.0562, 0.2467,
0.3387


68.4205, 0.2300,
0.3480


73.8872, 0.2556,
0.3367

76.1692, 0.2662,
0.3348

 78.9304, 0.2783,
0.3330

 82.1967, 0.2916,
0.3313

 85.9922, 0.3058,
0.3297

 90.3393, 0.3206,
0.3283

 90.6594, 0.3205,
0.3268

Harmonies

Analogous

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



69.6159, 0.2778, 0.3984



69.6159, 0.2347, 0.3428



69.6159, 0.2128, 0.2888

Triad

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



69.6159, 0.2347, 0.3428



69.6159, 0.2847, 0.2470



69.6159, 0.4194, 0.3955

Complementary

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



69.6159, 0.2347, 0.3428



22.5033, 0.5586, 0.3214

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.



69.6159, 0.4241, 0.3530



69.6159, 0.2347, 0.3428



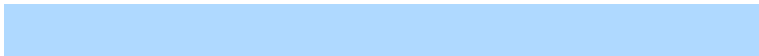
69.6159, 0.3420, 0.2717

Square

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



69.6159, 0.2347, 0.3428



69.6159, 0.2395, 0.2397



69.6159, 0.3950, 0.3092



69.6159, 0.3849, 0.4262

Rectangle

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



69.6159, 0.2347, 0.3428



69.6159, 0.2115, 0.2625



69.6159, 0.3950, 0.3092



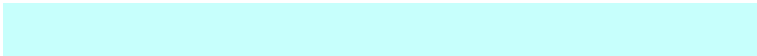
69.6159, 0.4247, 0.3820

Sweetspot

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



69.6185, 0.2347, 0.3428



90.6499, 0.2817, 0.3325



64.6651, 0.3054, 0.5635



19.1994, 0.2782, 0.3330



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.



69.6185, 0.2347, 0.3428



78.0838, 0.2306, 0.3460



33.5333, 0.2026, 0.2199



17.9113, 0.2989, 0.3304



37.1089, 0.2299, 0.3476



3.0921, 0.2292, 0.3449

Inverse Universe

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



22.5033, 0.5586, 0.3214



22.1267, 0.6161, 0.3248



37.4993, 0.4981, 0.4030



15.7745, 0.3284, 0.3276



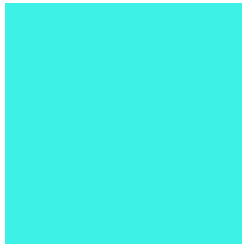
10.1656, 0.6336, 0.3264



0.8511, 0.6172, 0.3174

Previews

White Background



This preview shows how the Yxy color 69.6159, 0.2347, 0.3428 looks on a white background.

Color Contrast Check

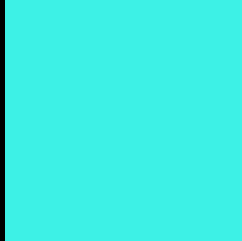
Large Text (above 18pt) WCAG AA × Fail

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 69.6159, 0.2347, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

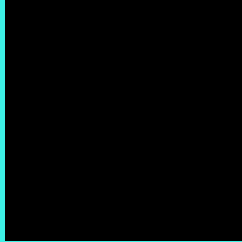
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6159, 0.2347, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 69.6159, 0.2347, 0.3428.

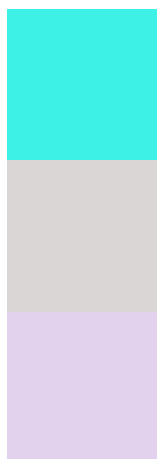


This preview shows how white text looks on a background with the Yxy color 69.6159, 0.2347, 0.3428.

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

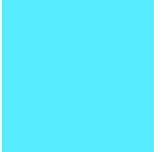
69.6159, 0.2347, 0.3428

Protanopia

68.0082, 0.3164, 0.3290

Deuteranopia

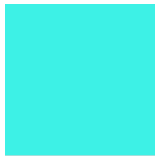
68.3764, 0.3061, 0.3003



Tritanopia

69.2856, 0.2298, 0.3058

Trichromacy



Original Color

69.6159, 0.2347, 0.3428



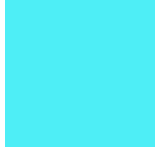
Protanomaly

66.1600, 0.2748, 0.3337



Deuteranomaly

65.7604, 0.2690, 0.3135



Tritanomaly

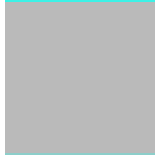
69.4226, 0.2313, 0.3189

Monochromacy



Original Color

69.6159, 0.2347, 0.3428



Achromatopsia

49.1021, 0.3127, 0.3290



Achromatomaly

54.0696, 0.2702, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6159, 0.2347, 0.3428 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(61, 241, 230)` looks like.

```
.text, #text, p{  
    color:rgb(61, 241, 230)  
}
```

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(61, 241, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 241, 230) }
```

Border

The CSS property to change the border of an element to Yxy 69.6159, 0.2347, 0.3428 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(61, 241, 230) }
```

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

```
.border{ border-color:rgb(61, 241, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 241, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 241, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 241, 230);  
box-shadow:4px 4px 4px 4px rgb(61, 241,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6159, 0.2347, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 241, 230) }
```

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

```
.background{ background-color: rgb(61, 241,  
230) }
```

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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