

Converting Colors

$Yxy(69.2398, 0.2284, 0.3288)$

Have a look what the booklet for
Yxy(69.2398, 0.2284, 0.3288)
contains.

Yxy(69.2398, 0.2284, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.2398, 0.2284, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	30F0F0
RGB	48, 240, 240
RGB Percent	19%, 94%, 94%
CMY	0.8124, 0.0588, 0.0589
CMYK	0.80, 0.00, 0.00, 0.06
HSL	180°, 87%, 56%
HSV	180°, 80%, 94%
XYZ	48.0972, 69.2398, 93.2463
YIQ	182.5920, -114.4320, -40.7040

Conversions

Conversions Part 2

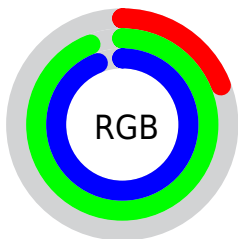
Format	Color
RYB	48, 144, 240
Decimal	3207408
CIELab	86.62, -43.90, -12.99
CIELCh	87, 45.780, 196.486
Yxy	69.2398, 0.2284, 0.3288
Android (android.graphics.Color)	4281397488 (0xFF30F0F0)
YUV	182.5920, 28.3021, -118.0372
Hunter-Lab	83.2105, -42.4419, -8.1935

Details

The Yxy color **69.2398, 0.2284, 0.3288** 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 **20.8398, 0.5938, 0.3298**, and the grayscale version is **46.9810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **37.3277, 0.2242, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **68.8100, 0.2258, 0.3288**, and if you desaturate by 10%, it is **69.9896, 0.2328, 0.3288**.

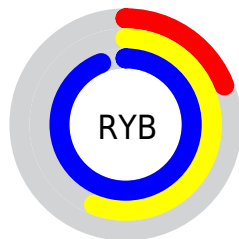
Distribution



Red (19%)

Green (94%)

Blue (94%)



Red (19%)

Yellow (56%)

Blue (94%)

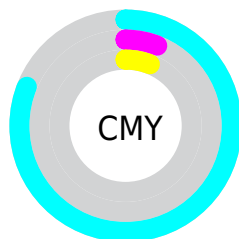


Cyan (80%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (81%)


Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.2398, 0.2284, 0.3288 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 69.2398, 0.2284, 0.3288 by changing the saturation by 10% instead.


 69.2398, 0.2284,
0.3288

 69.2398, 0.2284,
0.3288


457.8763, 0.2666,
0.3301

 50.9070, 0.2199,
0.3282


 118.1240, 0.2414,
0.3295

 36.1346, 0.2097,
0.3273


 149.4443, 0.2466,
0.3297

 24.5382, 0.1969,
0.3259


 185.8624, 0.2510,
0.3298

 15.7333, 0.1807,
0.3237

 227.7629, 0.2549,
0.3299

 9.3356, 0.1595,
0.3200

275.5302, 0.2584,
0.3300

 4.9608, 0.1312,
0.3131

329.5486, 0.2614,

 2.2243, 0.0913,

0.3301

0.2998

390.2025, 0.2641,
0.3301

0.7332, 0.0000,
0.2770

0.0000, 0.0000,
0.0000

69.2398, 0.2284,
0.3288

69.2398, 0.2284,
0.3288

68.8100, 0.2258,
0.3288


69.9896, 0.2328,
0.3288


68.6176, 0.2247,
0.3288


71.0964, 0.2391,
0.3288


72.6001, 0.2474,
0.3288


74.5336, 0.2575,
0.3289

 76.9263, 0.2694,
0.3289

 79.8049, 0.2827,
0.3289

 83.1943, 0.2972,
0.3290

 87.1175, 0.3126,
0.3290

 89.8809, 0.3226,
0.3290

Harmonies

Analogous

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



69.2398, 0.2665, 0.3854



69.2398, 0.2284, 0.3288



69.2398, 0.2124, 0.2789

Triad

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



69.2398, 0.2284, 0.3288



69.2398, 0.2981, 0.2524



69.2398, 0.4121, 0.4036

Complementary

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



69.2398, 0.2284, 0.3288



20.8398, 0.5938, 0.3298

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.



69.2398, 0.4246, 0.3633



69.2398, 0.2284, 0.3288



69.2398, 0.3554, 0.2804

Square

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



69.2398, 0.2284, 0.3288



69.2398, 0.2496, 0.2408



69.2398, 0.4035, 0.3196



69.2398, 0.3727, 0.4288

Rectangle

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



69.2398, 0.2284, 0.3288



69.2398, 0.2148, 0.2564



69.2398, 0.4035, 0.3196



69.2398, 0.4198, 0.3912

Sweetspot

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



69.2424, 0.2284, 0.3288



90.1821, 0.2772, 0.3289



63.2450, 0.3018, 0.5773



19.0535, 0.2725, 0.3289



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.



69.2424, 0.2284, 0.3288



78.8025, 0.2250, 0.3288



27.8221, 0.1935, 0.1965



17.9289, 0.2981, 0.3290



37.5574, 0.2247, 0.3288



3.1244, 0.2247, 0.3288

Inverse Universe

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



20.8398, 0.5938, 0.3298



21.5039, 0.6353, 0.3299



37.7061, 0.5034, 0.4130



15.7589, 0.3293, 0.3290



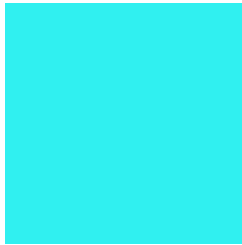
10.1411, 0.6401, 0.3300



0.8437, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 69.2398, 0.2284, 0.3288 looks on a white background.

Color Contrast Check

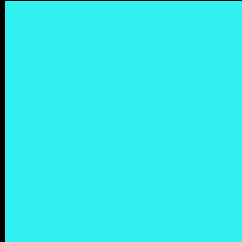
Large Text (above 18pt) WCAG AA × Fail

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 69.2398, 0.2284, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

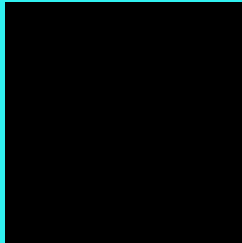
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.2398, 0.2284, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 69.2398, 0.2284, 0.3288.

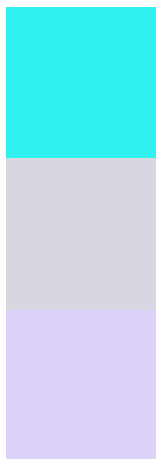


This preview shows how white text looks on a background with the Yxy color 69.2398, 0.2284, 0.3288.

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

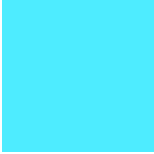
69.2398, 0.2284, 0.3288

Protanopia

68.0739, 0.3074, 0.3180

Deuteranopia

68.1807, 0.2960, 0.2897



Tritanopia

68.8306, 0.2273, 0.3056

Trichromacy



Original Color

69.2398, 0.2284, 0.3288



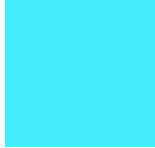
Protanomaly

65.4571, 0.2653, 0.3204



Deuteranomaly

65.5137, 0.2593, 0.3018



Tritanomaly

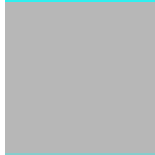
68.6638, 0.2270, 0.3127

Monochromacy



Original Color

69.2398, 0.2284, 0.3288



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

52.6137, 0.2645, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.2398, 0.2284, 0.3288 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(48, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(48, 240, 240)  
}
```

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(48, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 240, 240) }
```

Border

The CSS property to change the border of an element to Yxy 69.2398, 0.2284, 0.3288 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(48, 240, 240) }
```

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

```
.border{ border-color:rgb(48, 240, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(48, 240,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 69.2398, 0.2284, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 240, 240) }
```

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

```
.background{ background-color: rgb(48, 240,  
240) }
```

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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