

Converting Colors

$Yxy(65.9868, 0.2687, 0.4707)$

Have a look what the booklet for
Yxy(65.9868, 0.2687, 0.4707)
contains.

Yxy(65.9708, 0.2689, 0.4714)	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(65.9708, 0.2689, 0.4714)

Conversions

Conversions Part 1

Format	Color
Hex	2BF28E
RGB	43, 242, 142
RGB Percent	17%, 95%, 56%
CMY	0.8313, 0.0510, 0.4431
CMYK	0.82, 0.00, 0.41, 0.05
HSL	150°, 88%, 56%
HSV	150°, 82%, 95%
XYZ	37.6316, 65.9708, 36.3441
YIQ	171.0990, -86.5040, -73.2880

Conversions

Conversions Part 2

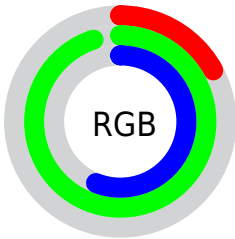
Format	Color
RYB	43, 176, 242
Decimal	2880142
CIELab	84.98, -68.12, 35.37
CIELCh	85, 76.753, 152.559
Yxy	65.9708, 0.2689, 0.4714
Android (android.graphics.Color)	4281070222 (0xFF2BF28E)
YUV	171.0990, -14.3458, -112.3428
Hunter-Lab	81.2224, -59.4374, 30.3255

Details

The Yxy color **65.9708, 0.2689, 0.4714** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.5904, 0.4556, 0.2425**, and the grayscale version is **40.8870, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7622, 0.2712, 0.4005**, and **35.0192, 0.2734, 0.5043** is the 20% darker color. If you saturate the color by 10%, you get **65.2505, 0.2709, 0.4904**, and if you desaturate by 10%, it is **67.0460, 0.2690, 0.4516**.

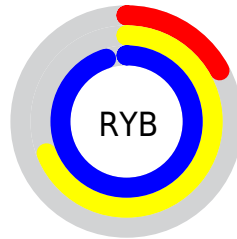
Distribution



Red (17%)

Green (95%)

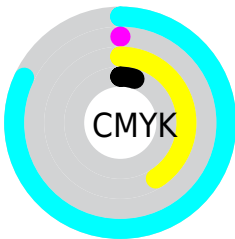
Blue (56%)



Red (17%)

Yellow (69%)

Blue (95%)

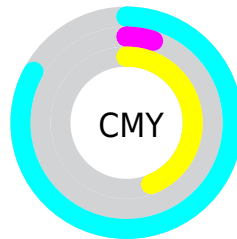


Cyan (82%)

Magenta (0%)

Yellow (41%)

Black (5%)



Cyan (83%)


Magenta (5%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9708, 0.2689, 0.4714 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 65.9708, 0.2689, 0.4714 by changing the saturation by 10% instead.


 65.9708, 0.2689,
0.4714

 65.9708, 0.2689,
0.4714


446.2724, 0.2925,
0.3988


 48.2487, 0.2626,
0.4897


 113.4444, 0.2778,
0.4448

 34.0239, 0.2543,
0.5131


 143.9647, 0.2811,
0.4349

 22.9119, 0.2429,
0.5441

 179.5199, 0.2838,
0.4265

 14.5285, 0.2267,
0.5866

 220.4943, 0.2861,
0.4193

 8.4892, 0.2022,
0.6474

 267.2724, 0.2880,
0.4131

 4.4095, 0.1642,
0.7449

320.2385, 0.2897,

 1.9052, 0.0000,

0.4077

1.0000

379.7771, 0.2912,
0.4030

■ 0.5515, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.9708, 0.2689,
0.4714

■ 65.9708, 0.2689,
0.4714

■ 65.2505, 0.2709,
0.4904


■ 67.0460, 0.2690,
0.4516


■ 64.8718, 0.2735,
0.5044


■ 68.5170, 0.2710,
0.4316


■ 70.4273, 0.2749,
0.4121


■ 72.8123, 0.2804,
0.3933

 75.7037, 0.2870,
0.3757

 79.1305, 0.2945,
0.3596

 83.1194, 0.3025,
0.3449

 87.6951, 0.3108,
0.3317

 91.7602, 0.3154,
0.3199

Harmonies

Analogous

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



65.9708, 0.3568, 0.5063



65.9708, 0.2689, 0.4714



65.9708, 0.1979, 0.3723

Triad

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



65.9708, 0.2689, 0.4714



65.9708, 0.1862, 0.1913



65.9708, 0.4927, 0.3421

Complementary

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



65.9708, 0.2689, 0.4714



22.5904, 0.4556, 0.2425

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.



65.9708, 0.4329, 0.2799



65.9708, 0.2689, 0.4714



65.9708, 0.2467, 0.1978

Square

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



65.9708, 0.2689, 0.4714



65.9708, 0.1579, 0.2142



65.9708, 0.3367, 0.2290



65.9708, 0.4910, 0.4086

Rectangle

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



65.9708, 0.2689, 0.4714



65.9708, 0.1691, 0.3033



65.9708, 0.3367, 0.2290



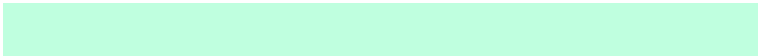
65.9708, 0.4792, 0.3206

Sweetspot

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



65.9735, 0.2689, 0.4714



87.9546, 0.2923, 0.3640



69.7759, 0.3459, 0.5484



18.5331, 0.2896, 0.3697



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.



65.9735, 0.2689, 0.4714



73.0986, 0.2732, 0.5031



70.2337, 0.2289, 0.3329



17.7876, 0.3048, 0.3411



34.8762, 0.2726, 0.5015



2.9215, 0.2659, 0.4774

Inverse Universe

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



22.5904, 0.4556, 0.2425



22.9113, 0.4967, 0.2514



20.8068, 0.5989, 0.3281



15.8914, 0.3214, 0.3172



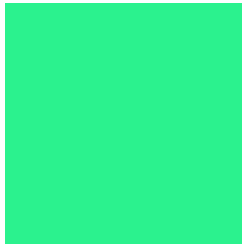
10.9183, 0.4948, 0.2499



0.9284, 0.4657, 0.2339

Previews

White Background



This preview shows how the Yxy color 65.9708, 0.2689, 0.4714 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 65.9708, 0.2689, 0.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

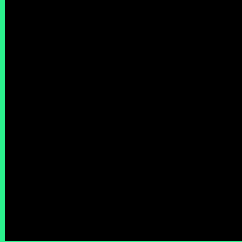
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9708, 0.2689, 0.4714

Background



This preview shows how black text looks on a background with the Yxy color 65.9708, 0.2689, 0.4714.



This preview shows how white text looks on a background with the Yxy color 65.9708, 0.2689, 0.4714.

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

65.9708, 0.2689, 0.4714

Protanopia

64.3629, 0.3852, 0.4175

Deuteranopia

64.1800, 0.3896, 0.3810



Tritanopia

65.8577, 0.2331, 0.3066

Trichromacy



Original Color

65.9708, 0.2689, 0.4714



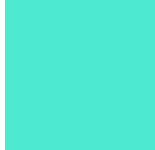
Protanomaly

61.5408, 0.3253, 0.4436



Deuteranomaly

60.2485, 0.3271, 0.4162



Tritanomaly

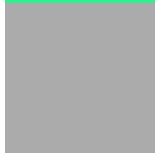
65.0269, 0.2450, 0.3621

Monochromacy



Original Color

65.9708, 0.2689, 0.4714



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

46.7557, 0.2842, 0.3838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9708, 0.2689, 0.4714 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(43, 242, 142)` looks like.

```
.text, #text, p{  
    color:rgb(43, 242, 142)  
}
```

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(43, 242, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 242, 142) }
```

Border

The CSS property to change the border of an element to Yxy 65.9708, 0.2689, 0.4714 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(43, 242, 142) }
```

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

```
.border{ border-color:rgb(43, 242, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 242, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 242, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 242, 142);  
box-shadow:4px 4px 4px 4px rgb(43, 242,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9708, 0.2689, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 242, 142) }
```

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

```
.background{ background-color: rgb(43, 242,  
142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor