

Converting Colors

$Yxy(65.1220, 0.2631, 0.4302)$

Have a look what the booklet for
Yxy(65.1220, 0.2631, 0.4302)
contains.

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Color

Yxy(65.1312, 0.2629, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	44EEA6
RGB	68, 238, 166
RGB Percent	27%, 93%, 65%
CMY	0.7341, 0.0666, 0.3491
CMYK	0.72, 0.00, 0.30, 0.07
HSL	155°, 83%, 60%
HSV	155°, 72%, 93%
XYZ	39.8302, 65.1312, 46.5418
YIQ	178.9620, -78.2080, -58.4320

Conversions

Conversions Part 2

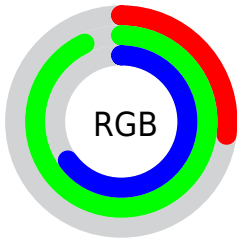
Format	Color
RYB	68, 176, 238
Decimal	4517542
CIELab	84.55, -59.25, 22.71
CIElCh	85, 63.450, 159.031
Yxy	65.1312, 0.2629, 0.4299
Android (android.graphics.Color)	4282707622 (0xFF44EEA6)
YUV	178.9620, -6.3903, -97.3137
Hunter-Lab	80.7039, -53.1359, 22.3003

Details

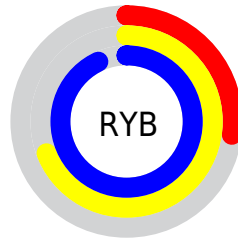
The Yxy color **65.1312, 0.2629, 0.4299** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **24.1799, 0.4500, 0.2588**, and the grayscale version is **45.0962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0588, 0.2660, 0.3691**, and **34.2627, 0.2597, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **64.0921, 0.2621, 0.4466**, and if you desaturate by 10%, it is **66.5513, 0.2657, 0.4132**.

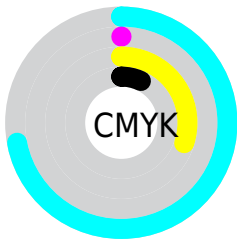
Distribution



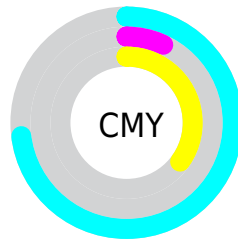
- Red (27%)
- Green (93%)
- Blue (65%)



- Red (27%)
- Yellow (69%)
- Blue (93%)



- Cyan (72%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)





- Cyan (73%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.1312, 0.2629, 0.4299 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 65.1312, 0.2629, 0.4299 by changing the saturation by 10% instead.


 65.1312, 0.2629,
0.4299

 65.1312, 0.2629,
0.4299

443.2633, 0.2879,
0.3791

 47.5675, 0.2567,
0.4426


 112.2385, 0.2720,
0.4114

 33.4845, 0.2488,
0.4588


 142.5508, 0.2754,
0.4045

 22.4979, 0.2383,
0.4803


 177.8814, 0.2782,
0.3986

 14.2232, 0.2239,
0.5100

 218.6148, 0.2807,
0.3936

 8.2760, 0.2030,
0.5534

265.1353, 0.2829,
0.3893

 4.2721, 0.1706,
0.6212

317.8272, 0.2847,

 1.8269, 0.0408,

0.3855

0.8791

377.0751, 0.2864,
0.3821

■ 0.5039, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.1312, 0.2629,
0.4299

■ 65.1312, 0.2629,
0.4299

■ 64.0921, 0.2621,
0.4466

■ 66.5513, 0.2657,
0.4132


■ 63.3803, 0.2633,
0.4630


■ 68.3827, 0.2704,
0.3970

■ 62.9735, 0.2657,
0.4765


■ 70.6613, 0.2767,
0.3815


■ 73.4169, 0.2843,
0.3670

 76.6768, 0.2927,
0.3537

 80.4659, 0.3018,
0.3415

 84.8077, 0.3113,
0.3306

 89.1077, 0.3187,
0.3207

 89.6390, 0.3135,
0.3127

Harmonies

Analogous

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



65.1312, 0.3370, 0.4739



65.1312, 0.2629, 0.4299



65.1312, 0.2064, 0.3469

Triad

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



65.1312, 0.2629, 0.4299



65.1312, 0.2135, 0.2099



65.1312, 0.4674, 0.3560

Complementary

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



65.1312, 0.2629, 0.4299



24.1799, 0.4500, 0.2588

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.



65.1312, 0.4271, 0.2997



65.1312, 0.2629, 0.4299



65.1312, 0.2725, 0.2200

Square

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



65.1312, 0.2629, 0.4299



65.1312, 0.1822, 0.2253



65.1312, 0.3515, 0.2518



65.1312, 0.4581, 0.4135

Rectangle

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



65.1312, 0.2629, 0.4299



65.1312, 0.1849, 0.2934



65.1312, 0.3515, 0.2518



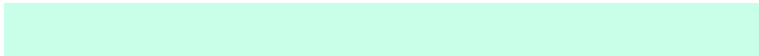
65.1312, 0.4593, 0.3367

Sweetspot

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



65.1338, 0.2629, 0.4299



89.8454, 0.2931, 0.3531



67.2865, 0.3384, 0.5333



18.9899, 0.2907, 0.3567



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.



65.1338, 0.2629, 0.4299



74.5053, 0.2624, 0.4546



62.1538, 0.2284, 0.3141



17.8093, 0.3037, 0.3392



35.1536, 0.2650, 0.4740



2.9443, 0.2591, 0.4529

Inverse Universe

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



24.1799, 0.4500, 0.2588



24.0755, 0.4940, 0.2597



24.2096, 0.5480, 0.3392



15.8699, 0.3227, 0.3190



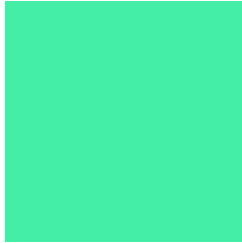
10.6867, 0.5282, 0.2683



0.9085, 0.4944, 0.2497

Previews

White Background



This preview shows how the Yxy color 65.1312, 0.2629, 0.4299 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 65.1312, 0.2629, 0.4299 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

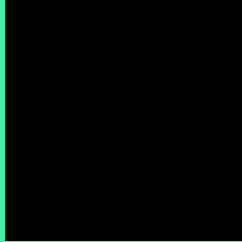
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.1312, 0.2629, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 65.1312, 0.2629, 0.4299.



This preview shows how white text looks on a background with the Yxy color 65.1312, 0.2629, 0.4299.

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

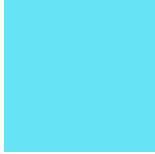
65.1312, 0.2629, 0.4299

Protanopia

63.9084, 0.3660, 0.3925

Deuteranopia

63.7065, 0.3665, 0.3584



Tritanopia

64.9654, 0.2353, 0.3066

Trichromacy



Original Color

65.1312, 0.2629, 0.4299



Protanomaly

61.9799, 0.3159, 0.4086



Deuteranomaly

60.6171, 0.3160, 0.3832



Tritanomaly

64.8966, 0.2448, 0.3484

Monochromacy



Original Color

65.1312, 0.2629, 0.4299



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

49.8535, 0.2855, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.1312, 0.2629, 0.4299 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(68, 238, 166)` looks like.

```
.text, #text, p{  
    color:rgb(68, 238, 166)  
}
```

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(68, 238, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 238, 166) }
```

Border

The CSS property to change the border of an element to Yxy 65.1312, 0.2629, 0.4299 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(68, 238, 166) }
```

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

```
.border{ border-color:rgb(68, 238, 166) }
```

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

Here you see how a box with a 4 pixel rgb(68, 238, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 238, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 238, 166);  
box-shadow:4px 4px 4px 4px rgb(68, 238,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 65.1312, 0.2629, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 238, 166) }
```

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

```
.background{ background-color: rgb(68, 238,  
166) }
```

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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