

Converting Colors

$Yxy(67.2994, 0.2603, 0.4328)$

Have a look what the booklet for
Yxy(67.2994, 0.2603, 0.4328)
contains.

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Color

Yxy(67.1722, 0.2601, 0.4320)

Conversions

Conversions Part 1

Format	Color
Hex	38F2A8
RGB	56, 242, 168
RGB Percent	22%, 95%, 66%
CMY	0.7810, 0.0509, 0.3412
CMYK	0.77, 0.00, 0.31, 0.05
HSL	156°, 88%, 58%
HSV	156°, 77%, 95%
XYZ	40.4433, 67.1722, 47.8757
YIQ	177.9500, -87.1020, -62.4460

Conversions

Conversions Part 2

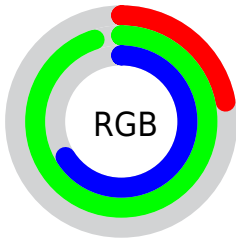
Format	Color
RYB	56, 172, 242
Decimal	3732136
CIELab	85.59, -61.82, 23.07
CIELCh	86, 65.984, 159.532
Yxy	67.1722, 0.2601, 0.4320
Android (android.graphics.Color)	4281922216 (0xFF38F2A8)
YUV	177.9500, -4.9053, -106.9501
Hunter-Lab	81.9586, -55.3451, 22.7371

Details

The Yxy color **67.1722, 0.2601, 0.4320** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **23.2998, 0.4741, 0.2627**, and the grayscale version is **44.5300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5935, 0.2621, 0.3669**, and **35.9589, 0.2600, 0.4561** is the 20% darker color. If you saturate the color by 10%, you get **66.2946, 0.2602, 0.4476**, and if you desaturate by 10%, it is **68.4179, 0.2621, 0.4163**.

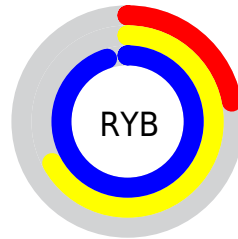
Distribution



Red (22%)

Green (95%)

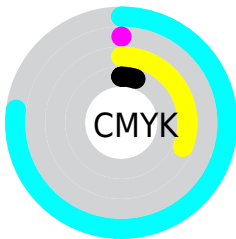
Blue (66%)



Red (22%)

Yellow (67%)

Blue (95%)

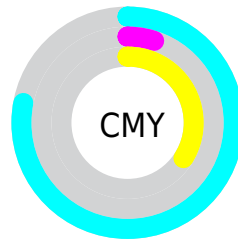


Cyan (77%)

Magenta (0%)

Yellow (31%)

Black (5%)



Cyan (78%)


Magenta (5%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.1722, 0.2601, 0.4320 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 67.1722, 0.2601, 0.4320 by changing the saturation by 10% instead.


 67.1722, 0.2601,
0.4320

 67.1722, 0.2601,
0.4320


450.5575, 0.2863,
0.3804

 49.2246, 0.2537,
0.4448


 115.1671, 0.2696,
0.4133

 34.7977, 0.2454,
0.4612


 145.9832, 0.2731,
0.4062

 23.5071, 0.2347,
0.4828


 181.8576, 0.2762,
0.4003

 14.9684, 0.2199,
0.5125

 223.1746, 0.2788,
0.3952

 8.7972, 0.1987,
0.5555

270.3188, 0.2810,
0.3907

 4.6091, 0.1663,
0.6223

323.6743, 0.2830,

 2.0198, 0.0544,

0.3869

0.8355

383.6258, 0.2847,
0.3834

■ 0.6189, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 67.1722, 0.2601,
0.4320

■ 67.1722, 0.2601,
0.4320

■ 66.2946, 0.2602,
0.4476

■ 68.4179, 0.2621,
0.4163

■ 65.7218, 0.2623,
0.4627


■ 70.0673, 0.2660,
0.4009


■ 65.5808, 0.2631,
0.4673

■ 72.1601, 0.2717,
0.3860


■ 74.7290, 0.2788,
0.3719

 77.8037, 0.2871,
0.3588

 81.4114, 0.2962,
0.3468

 85.5771, 0.3059,
0.3359

 90.3244, 0.3158,
0.3261

 91.9655, 0.3135,
0.3169

Harmonies

Analogous

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



67.1722, 0.3359, 0.4782



67.1722, 0.2601, 0.4320



67.1722, 0.2028, 0.3458

Triad

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



67.1722, 0.2601, 0.4320



67.1722, 0.2118, 0.2069



67.1722, 0.4721, 0.3571

Complementary

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



67.1722, 0.2601, 0.4320



23.2998, 0.4741, 0.2627

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.



67.1722, 0.4315, 0.2996



67.1722, 0.2601, 0.4320



67.1722, 0.2725, 0.2178

Square

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



67.1722, 0.2601, 0.4320



67.1722, 0.1794, 0.2220



67.1722, 0.3539, 0.2506



67.1722, 0.4613, 0.4160

Rectangle

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



67.1722, 0.2601, 0.4320



67.1722, 0.1813, 0.2908



67.1722, 0.3539, 0.2506



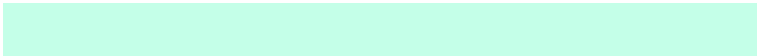
67.1722, 0.4642, 0.3374

Sweetspot

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



67.1749, 0.2601, 0.4320



89.1109, 0.2906, 0.3540



68.5660, 0.3336, 0.5483



18.7724, 0.2873, 0.3585



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.



67.1749, 0.2601, 0.4320



74.2720, 0.2611, 0.4557



60.2344, 0.2233, 0.3047



17.8163, 0.3034, 0.3386



35.2541, 0.2625, 0.4648



2.9524, 0.2569, 0.4450

Inverse Universe

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



23.2998, 0.4741, 0.2627



22.9820, 0.5212, 0.2691



24.1218, 0.5670, 0.3436



15.8630, 0.3231, 0.3196



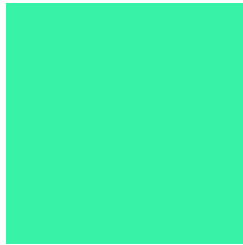
10.6220, 0.5387, 0.2741



0.9027, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 67.1722, 0.2601, 0.4320 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 67.1722, 0.2601, 0.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

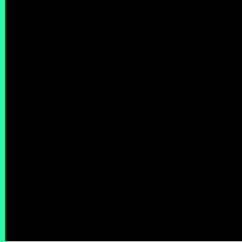
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.1722, 0.2601, 0.4320

Background



This preview shows how black text looks on a background with the Yxy color 67.1722, 0.2601, 0.4320.



This preview shows how white text looks on a background with the Yxy color 67.1722, 0.2601, 0.4320.

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

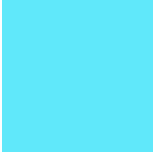
67.1722, 0.2601, 0.4320

Protanopia

65.9140, 0.3667, 0.3939

Deuteranopia

65.7725, 0.3657, 0.3580



Tritanopia

67.1021, 0.2329, 0.3068

Trichromacy



Original Color

67.1722, 0.2601, 0.4320



Protanomaly

63.2779, 0.3129, 0.4111



Deuteranomaly

62.4289, 0.3115, 0.3842



Tritanomaly

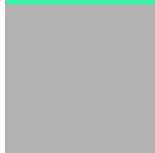
66.9075, 0.2419, 0.3496

Monochromacy



Original Color

67.1722, 0.2601, 0.4320



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

49.8976, 0.2822, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.1722, 0.2601, 0.4320 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(56, 242, 168)` looks like.

```
.text, #text, p{  
    color:rgb(56, 242, 168)  
}
```

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(56, 242, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 242, 168) }
```

Border

The CSS property to change the border of an element to Yxy 67.1722, 0.2601, 0.4320 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(56, 242, 168) }
```

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

```
.border{ border-color:rgb(56, 242, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 242, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 242, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 242, 168);  
box-shadow:4px 4px 4px 4px rgb(56, 242,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 67.1722, 0.2601, 0.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 242, 168) }
```

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

```
.background{ background-color: rgb(56, 242,  
168) }
```

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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