

Converting Colors

$Y_{xy}(32.9266, 0.2763, 0.5117)$

Have a look what the booklet for
Yxy(32.9266, 0.2763, 0.5117)
contains.

Yxy(32.9099, 0.2764, 0.5120)	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(32.9099, 0.2764, 0.5120)

Conversions

Conversions Part 1

Format	Color
Hex	07B353
RGB	7, 179, 83
RGB Percent	3%, 70%, 33%
CMY	0.9738, 0.2980, 0.6745
CMYK	0.96, 0.00, 0.54, 0.30
HSL	147°, 93%, 36%
HSV	147°, 96%, 70%
XYZ	17.7662, 32.9099, 13.6010
YIQ	116.6280, -71.6960, -66.3200

Conversions

Conversions Part 2

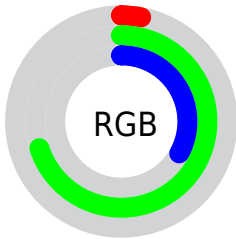
Format	Color
RYB	7, 126, 179
Decimal	504659
CIELab	64.09, -59.32, 38.11
CIELCh	64, 70.507, 147.286
Yxy	32.9099, 0.2764, 0.5120
Android (android.graphics.Color)	4278694739 (0xFF07B353)
YUV	116.6280, -16.5786, -96.1438
Hunter-Lab	57.3672, -45.1123, 26.1001

Details

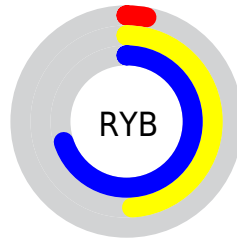
The Yxy color **32.9099, 0.2764, 0.5120** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **10.7023, 0.4637, 0.2352**, and the grayscale version is **17.7069, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2270, 0.2868, 0.4699**, and **14.7770, 0.2896, 0.5624** is the 20% darker color. If you saturate the color by 10%, you get **32.8123, 0.2775, 0.5190**, and if you desaturate by 10%, it is **33.2348, 0.2738, 0.4923**.

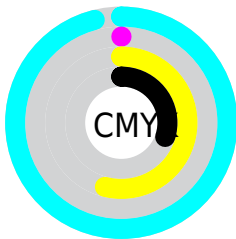
Distribution



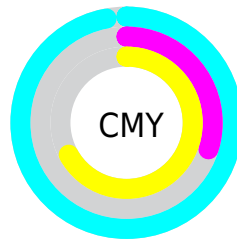
- Red (3%)
- Green (70%)
- Blue (33%)



- Red (3%)
- Yellow (49%)
- Blue (70%)



- Cyan (96%)
- Magenta (0%)
- Yellow (54%)
- Black (30%)





- Cyan (97%)
- Magenta (30%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9099, 0.2764, 0.5120 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 32.9099, 0.2764, 0.5120 by changing the saturation by 10% instead.


 32.9099, 0.2764,
0.5120


 32.9099, 0.2764,
0.5120


315.2435, 0.3006,
0.4073


 22.0574, 0.2677,
0.5427


 64.2348, 0.2870,
0.4706


 13.8991, 0.2546,
0.5846


 85.4761, 0.2904,
0.4561


 8.0505, 0.2335,
0.6441

 110.9491, 0.2930,
0.4442

 4.1273, 0.2028,
0.7535

 141.0382, 0.2952,
0.4343

 1.7450, 0.0192,
0.9808

 176.1278, 0.2969,
0.4260

 0.4526, 0.0000,
1.0000

 216.6023, 0.2983,

 0.0000, 0.0000,

0.4189

0.0000

262.8461, 0.2995,
0.4127

■ 32.9099, 0.2764,
0.5120

■ 32.9099, 0.2764,
0.5120

■ 32.8123, 0.2775,
0.5190

■ 33.2348, 0.2738,
0.4923

■ 33.7241, 0.2731,
0.4712

■ 34.4065, 0.2742,
0.4496

■ 35.3024, 0.2771,
0.4281

■ 36.4298, 0.2815,
0.4072

■ 37.8045, 0.2872,
0.3875

■ 39.4411, 0.2936,
0.3692

■ 41.3528, 0.3007,
0.3526

■ 43.5520, 0.3080,
0.3376

Harmonies

Analogous

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



32.9099, 0.3754, 0.5305



32.9099, 0.2764, 0.5120



32.9099, 0.1924, 0.4014

Triad

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



32.9099, 0.2764, 0.5120



32.9099, 0.1627, 0.1763



32.9099, 0.5128, 0.3271

Complementary

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



32.9099, 0.2764, 0.5120



10.7023, 0.4637, 0.2352

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.



32.9099, 0.4333, 0.2612



32.9099, 0.2764, 0.5120



32.9099, 0.2224, 0.1789

Square

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



32.9099, 0.2764, 0.5120



32.9099, 0.1380, 0.2062



32.9099, 0.3192, 0.2087



32.9099, 0.5198, 0.3995

Rectangle

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



32.9099, 0.2764, 0.5120



32.9099, 0.1569, 0.3165



32.9099, 0.3192, 0.2087



32.9099, 0.4935, 0.3043

Sweetspot

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



32.9112, 0.2764, 0.5120



69.6349, 0.2915, 0.3749



35.2210, 0.3479, 0.5594



15.1551, 0.2888, 0.3827



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32.9112, 0.2764, 0.5120



58.7164, 0.2783, 0.5220



35.0958, 0.2307, 0.3486



9.5506, 0.3058, 0.3420



23.1970, 0.2769, 0.5169



0.7417, 0.2614, 0.4610

Inverse Universe

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



10.7023, 0.4637, 0.2352



18.7561, 0.4746, 0.2388



9.7738, 0.6253, 0.3255



8.5819, 0.3203, 0.3164



7.4318, 0.4692, 0.2358



0.2454, 0.4174, 0.2073

Previews

White Background



This preview shows how the Yxy color 32.9099, 0.2764, 0.5120 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 32.9099, 0.2764, 0.5120 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 32.9099, 0.2764, 0.5120

Background



This preview shows how black text looks on a background with the Yxy color 32.9099, 0.2764, 0.5120.



This preview shows how white text looks on a background with the Yxy color 32.9099, 0.2764, 0.5120.

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

32.9099, 0.2764, 0.5120

Protanopia

32.2771, 0.4045, 0.4408

Deuteranopia

32.1876, 0.4134, 0.4055



Tritanopia

32.6848, 0.2336, 0.3057

Trichromacy



Original Color

32.9099, 0.2764, 0.5120



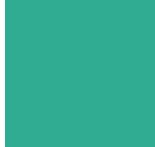
Protanomaly

30.1240, 0.3334, 0.4777



Deuteranomaly

29.5658, 0.3371, 0.4522



Tritanomaly

32.1847, 0.2467, 0.3760

Monochromacy



Original Color

32.9099, 0.2764, 0.5120



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

21.3539, 0.2826, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9099, 0.2764, 0.5120 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(7, 179, 83)` looks like.

```
.text, #text, p{  
    color:rgb(7, 179, 83)  
}
```

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(7, 179, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 179, 83) }
```

Border

The CSS property to change the border of an element to Yxy 32.9099, 0.2764, 0.5120 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(7, 179, 83) }
```

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

```
.border{ border-color:rgb(7, 179, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 179, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 179, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 179, 83);  
box-shadow:4px 4px 4px 4px rgb(7, 179, 83)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.9099, 0.2764, 0.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 179, 83) }
```

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

```
.background{ background-color: rgb(7, 179,  
83) }
```

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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