

Converting Colors

$Y_{xy}(46.0600, 0.2808, 0.4982)$

Have a look what the booklet for
Yxy(46.0600, 0.2808, 0.4982)
contains.

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Color

Yxy(46.2830, 0.2811, 0.4990)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 32CF67 |
| RGB | 50, 207, 103 |
| RGB Percent | 20%, 81%, 40% |
| CMY | 0.8044, 0.1882, 0.5960 |
| CMYK | 0.76, 0.00, 0.50, 0.19 |
| HSL | 140°, 62%, 50% |
| HSV | 140°, 76%, 81% |
| XYZ | 26.0724, 46.2830, 20.3961 |
| YIQ | 148.2010, -60.1880, -65.6280 |

Conversions

Conversions Part 2

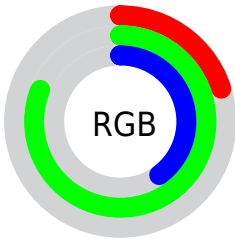
| Format | Color |
|-------------------------------------|--|
| RYB | 50, 167, 207 |
| Decimal | 3329895 |
| CIELab | 73.73, -61.89, 40.27 |
| CIELCh | 74, 73.834, 146.947 |
| Yxy | 46.2830, 0.2811, 0.4990 |
| Android (android.graphics.Color) | 4281519975 (0xFF32CF67) |
| YUV | 148.2010, -22.2841, -86.1223 |
| Hunter-Lab | 68.0316, -50.6469, 29.8468 |

Details

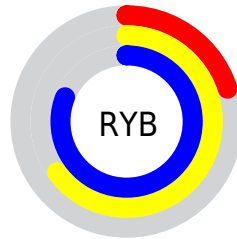
The Yxy color **46.2830, 0.2811, 0.4990** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **17.8658, 0.3948, 0.2158**, and the grayscale version is **29.8030, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9134, 0.2890, 0.4548**, and **22.3812, 0.2849, 0.5456** is the 20% darker color. If you saturate the color by 10%, you get **45.6207, 0.2823, 0.5226**, and if you desaturate by 10%, it is **47.2317, 0.2816, 0.4738**.

Distribution



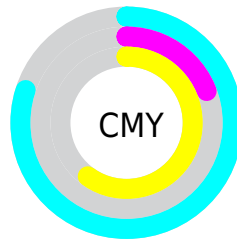
- Red (20%)
- Green (81%)
- Blue (40%)



- Red (20%)
- Yellow (65%)
- Blue (81%)



- Cyan (76%)
- Magenta (0%)
- Yellow (50%)
- Black (19%)




- Cyan (80%)
- Magenta (19%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2830, 0.2811, 0.4990 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 46.2830, 0.2811, 0.4990 by changing the saturation by 10% instead.


 46.2830, 0.2811,
0.4990

 46.2830, 0.2811,
0.4990


371.9452, 0.3013,
0.4069

 32.4692, 0.2745,
0.5239


 84.6424, 0.2896,
0.4640


 21.7201, 0.2650,
0.5567

 109.9567, 0.2924,
0.4513


 13.6514, 0.2506,
0.6015


 139.8734, 0.2947,
0.4408

 7.8786, 0.2273,
0.6647

 174.7768, 0.2965,
0.4319

 4.0174, 0.1967,
0.7945

 215.0513, 0.2980,
0.4243

 1.6833, 0.0000,
1.0000

261.0812, 0.2993,

 0.4128, 0.0000,

0.4177


1.0000


313.2511, 0.3004,
0.4120


 0.0000, 0.0000,
0.0000


 46.2830, 0.2811,
0.4990


 46.2830, 0.2811,
0.4990

 45.6207, 0.2823,
0.5226


 47.2317, 0.2816,
0.4738


 45.2015, 0.2852,
0.5436

 48.4915, 0.2838,
0.4481

 45.0726, 0.2865,
0.5513

 50.0908, 0.2874,
0.4229

 52.0531, 0.2920,
0.3990

 54.3997, 0.2974,
0.3769

■ 57.1502, 0.3032,
0.3567

■ 60.3230, 0.3092,
0.3387

■ 63.9352, 0.3152,
0.3227

■ 68.0029, 0.3211,
0.3087

Harmonies

Analogous

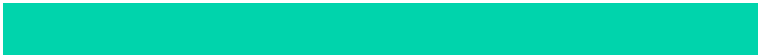
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2830, 0.3752, 0.5179



46.2830, 0.2811, 0.4990



46.2830, 0.2006, 0.3981

Triad

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



46.2830, 0.2811, 0.4990



46.2830, 0.1698, 0.1843



46.2830, 0.4998, 0.3282

Complementary

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



46.2830, 0.2811, 0.4990



17.8658, 0.3948, 0.2158

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.



46.2830, 0.4246, 0.2647



46.2830, 0.2811, 0.4990



46.2830, 0.2269, 0.1861

Square

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



46.2830, 0.2811, 0.4990



46.2830, 0.1463, 0.2141



46.2830, 0.3182, 0.2144



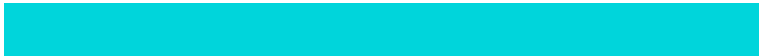
46.2830, 0.5088, 0.3977

Rectangle

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



46.2830, 0.2811, 0.4990



46.2830, 0.1659, 0.3196



46.2830, 0.3182, 0.2144



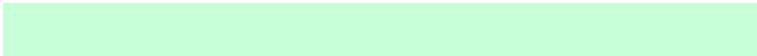
46.2830, 0.4812, 0.3061

Sweetspot

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



46.2849, 0.2811, 0.4990



88.2703, 0.2989, 0.3714



51.7916, 0.3662, 0.5220



18.5702, 0.2968, 0.3790



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.



46.2849, 0.2811, 0.4990



72.6497, 0.2839, 0.5360



48.6340, 0.2422, 0.3687



13.2713, 0.3070, 0.3448



28.4108, 0.2858, 0.5488



1.6032, 0.2752, 0.5107

Inverse Universe

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



17.8658, 0.3948, 0.2158



25.0259, 0.4188, 0.2120



16.0600, 0.5347, 0.3047



11.9383, 0.3189, 0.3137



9.5138, 0.4284, 0.2133



0.5464, 0.4038, 0.1998

Previews

White Background



This preview shows how the Yxy color 46.2830, 0.2811, 0.4990 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 46.2830, 0.2811, 0.4990 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 46.2830, 0.2811, 0.4990

Background



This preview shows how black text looks on a background with the Yxy color 46.2830, 0.2811, 0.4990.



This preview shows how white text looks on a background with the Yxy color 46.2830, 0.2811, 0.4990.

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

46.2830, 0.2811, 0.4990

Protanopia

45.4564, 0.3993, 0.4360

Deuteranopia

45.4266, 0.4083, 0.4007



Tritanopia

45.9575, 0.2370, 0.3060

Trichromacy



Original Color

46.2830, 0.2811, 0.4990



Protanomaly

43.6193, 0.3422, 0.4654



Deuteranomaly

42.8700, 0.3463, 0.4390



Tritanomaly

45.3619, 0.2521, 0.3707

Monochromacy



Original Color

46.2830, 0.2811, 0.4990



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.4866, 0.2928, 0.3917

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2830, 0.2811, 0.4990 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(50, 207, 103)` looks like.

```
.text, #text, p{  
    color:rgb(50, 207, 103)  
}
```

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(50, 207, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 207, 103) }
```

Border

The CSS property to change the border of an element to Yxy 46.2830, 0.2811, 0.4990 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(50, 207, 103) }
```

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

```
.border{ border-color:rgb(50, 207, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 207, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 207, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 207, 103);  
box-shadow:4px 4px 4px 4px rgb(50, 207,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2830, 0.2811, 0.4990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 207, 103) }
```

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

```
.background{ background-color: rgb(50, 207,  
103) }
```

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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