

Converting Colors

$Y_{xy}(46.3265, 0.2806, 0.5303)$

Have a look what the booklet for
Yxy(46.3265, 0.2806, 0.5303)
contains.

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Color

Yxy(46.2728, 0.2807, 0.5307)

Conversions

Conversions Part 1

Format	Color
Hex	00D156
RGB	0, 209, 86
RGB Percent	0%, 82%, 34%
CMY	1.0000, 0.1803, 0.6628
CMYK	1.00, 0.00, 0.59, 0.18
HSL	145°, 100%, 41%
HSV	145°, 100%, 82%
XYZ	24.4748, 46.2728, 16.4444
YIQ	132.4870, -85.0810, -82.5610

Conversions

Conversions Part 2

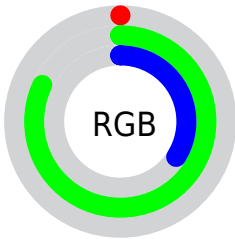
Format	Color
RYB	0, 148, 209
Decimal	53590
CIELab	73.72, -68.63, 48.19
CIELCh	74, 83.859, 144.929
Yxy	46.2728, 0.2807, 0.5307
Android (android.graphics.Color)	4278243670 (0xFF00D156)
YUV	132.4870, -22.9181, -116.1911
Hunter-Lab	68.0241, -54.8186, 33.2839

Details

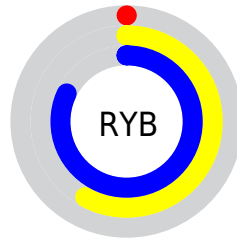
The Yxy color **46.2728, 0.2807, 0.5307** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.9873, 0.4601, 0.2308**, and the grayscale version is **23.3695, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3271, 0.2898, 0.4795**, and **22.8868, 0.2934, 0.5764** is the 20% darker color. If you saturate the color by 10%, you get **46.2782, 0.2807, 0.5307**, and if you desaturate by 10%, it is **46.6522, 0.2775, 0.5111**.

Distribution



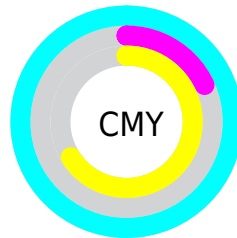
- Red (0%)
- Green (82%)
- Blue (34%)



- Red (0%)
- Yellow (58%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2728, 0.2807, 0.5307 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 46.2728, 0.2807, 0.5307 by changing the saturation by 10% instead.


 46.2728, 0.2807,
0.5307


 46.2728, 0.2807,
0.5307


371.9043, 0.3029,
0.4210


 32.4611, 0.2728,
0.5601


 84.6271, 0.2904,
0.4891


 21.7140, 0.2613,
0.5985


 109.9386, 0.2936,
0.4740


 13.6469, 0.2436,
0.6498


 139.8521, 0.2960,
0.4614

 7.8755, 0.2153,
0.7210

 174.7521, 0.2980,
0.4507

 4.0154, 0.1697,
0.8303

 215.0229, 0.2996,
0.4417

 1.6822, 0.0000,
1.0000

261.0489, 0.3009,

 0.4121, 0.0000,

0.4338

1.0000

313.2146, 0.3020,
0.4270

■ 0.0000, 0.0000,
0.0000

■ 46.2728, 0.2807,
0.5307

■ 46.2728, 0.2807,
0.5307

■ 46.2782, 0.2807,
0.5307

■ 46.6522, 0.2775,
0.5111

■ 47.2334, 0.2757,
0.4896

■ 48.0810, 0.2758,
0.4669

■ 49.2280, 0.2778,
0.4438

■ 50.7023, 0.2814,
0.4211

■ 52.5283, 0.2863,
0.3995

■ 54.7283, 0.2922,
0.3792

■ 57.3225, 0.2987,
0.3607

■ 60.3297, 0.3056,
0.3439

Harmonies

Analogous

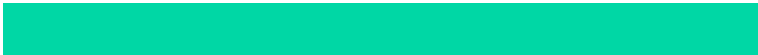
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2728, 0.3841, 0.5388



46.2728, 0.2807, 0.5307



46.2728, 0.1910, 0.4171

Triad

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



46.2728, 0.2807, 0.5307



46.2728, 0.1527, 0.1703



46.2728, 0.5206, 0.3196

Complementary

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



46.2728, 0.2807, 0.5307



14.9873, 0.4601, 0.2308

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.



46.2728, 0.4313, 0.2524



46.2728, 0.2807, 0.5307



46.2728, 0.2113, 0.1710

Square

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



46.2728, 0.2807, 0.5307



46.2728, 0.1298, 0.2035



46.2728, 0.3098, 0.1997



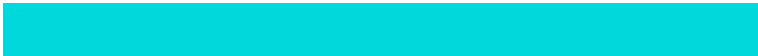
46.2728, 0.5324, 0.3938

Rectangle

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



46.2728, 0.2807, 0.5307



46.2728, 0.1524, 0.3246



46.2728, 0.3098, 0.1997



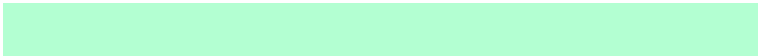
46.2728, 0.4983, 0.2963

Sweetspot

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



46.2782, 0.2807, 0.5307



85.6962, 0.2920, 0.3799



49.9970, 0.3507, 0.5598



18.0137, 0.2894, 0.3883



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.



46.2782, 0.2807, 0.5307



72.5383, 0.2813, 0.5327



49.2420, 0.2335, 0.3605



13.2858, 0.3061, 0.3430



28.5489, 0.2800, 0.5280



1.6119, 0.2697, 0.4909

Inverse Universe

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



14.9873, 0.4601, 0.2308



23.4646, 0.4621, 0.2319



13.6107, 0.6296, 0.3242



11.9233, 0.3200, 0.3154



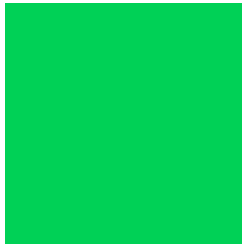
9.2597, 0.4576, 0.2294



0.5333, 0.4259, 0.2120

Previews

White Background



This preview shows how the Yxy color 46.2728, 0.2807, 0.5307 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 46.2728, 0.2807, 0.5307 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 46.2728, 0.2807, 0.5307

Background



This preview shows how black text looks on a background with the Yxy color 46.2728, 0.2807, 0.5307.



This preview shows how white text looks on a background with the Yxy color 46.2728, 0.2807, 0.5307.

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

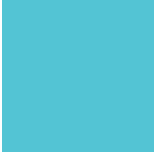
46.2728, 0.2807, 0.5307

Protanopia

45.4577, 0.4125, 0.4521

Deuteranopia

45.2045, 0.4240, 0.4146



Tritanopia

46.0723, 0.2337, 0.3059

Trichromacy



Original Color

46.2728, 0.2807, 0.5307



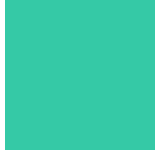
Protanomaly

42.3528, 0.3375, 0.4958



Deuteranomaly

41.0637, 0.3429, 0.4672



Tritanomaly

45.2833, 0.2482, 0.3844

Monochromacy



Original Color

46.2728, 0.2807, 0.5307



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

28.2642, 0.2831, 0.4142

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2728, 0.2807, 0.5307 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(0, 209, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 86)  
}
```

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(0, 209, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 86) }
```

Border

The CSS property to change the border of an element to Yxy 46.2728, 0.2807, 0.5307 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(0, 209, 86) }
```

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

```
.border{ border-color:rgb(0, 209, 86) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 86)  
}
```


Background

The CSS property to change the background color of an element to Yxy 46.2728, 0.2807, 0.5307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 86) }
```

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

```
.background{ background-color: rgb(0, 209,  
86) }
```

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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