

Converting Colors

$Yxy(46.0284, 0.2599, 0.4556)$

Have a look what the booklet for
Yxy(46.0284, 0.2599, 0.4556)
contains.

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Color

Yxy(46.2374, 0.2602, 0.4567)

Conversions

Conversions Part 1

Format	Color
Hex	00CF82
RGB	0, 207, 130
RGB Percent	0%, 81%, 51%
CMY	0.9999, 0.1882, 0.4901
CMYK	1.00, 0.00, 0.37, 0.19
HSL	158°, 100%, 41%
HSV	158°, 100%, 81%
XYZ	26.3433, 46.2374, 28.6617
YIQ	136.3290, -98.6550, -67.8310

Conversions

Conversions Part 2

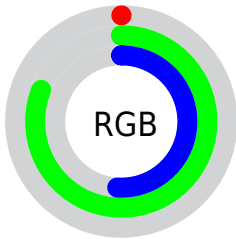
Format	Color
RYB	0, 127, 207
Decimal	53122
CIELab	73.70, -60.64, 26.48
CIELCh	74, 66.166, 156.412
Yxy	46.2374, 0.2602, 0.4567
Android (android.graphics.Color)	4278243202 (0xFF00CF82)
YUV	136.3290, -3.1202, -119.5605
Hunter-Lab	67.9981, -49.8436, 22.6075

Details

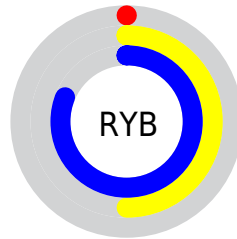
The Yxy color **46.2374, 0.2602, 0.4567** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **13.8026, 0.5510, 0.2809**, and the grayscale version is **24.7957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7637, 0.2695, 0.4209**, and **22.7124, 0.2689, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **46.2386, 0.2602, 0.4567**, and if you desaturate by 10%, it is **46.6102, 0.2582, 0.4427**.

Distribution



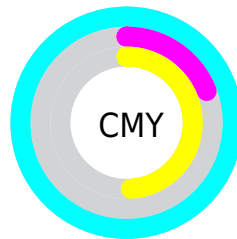
- Red (0%)
- Green (81%)
- Blue (51%)



- Red (0%)
- Yellow (50%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2374, 0.2602, 0.4567 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 46.2374, 0.2602, 0.4567 by changing the saturation by 10% instead.

 46.2374, 0.2602,
0.4567


 46.2374, 0.2602,
0.4567


371.7623, 0.2888,
0.3880

 32.4332, 0.2523,
0.4754


 84.5742, 0.2712,
0.4306

 21.6926, 0.2417,
0.5002


 109.8755, 0.2751,
0.4212


 13.6312, 0.2269,
0.5346


 139.7781, 0.2784,
0.4133

 7.8646, 0.2049,
0.5850

 174.6662, 0.2811,
0.4067

 4.0084, 0.1698,
0.6636

 214.9243, 0.2835,
0.4010

 1.6783, 0.0000,
1.0000

260.9367, 0.2855,

 0.4095, 0.0000,

0.3961

1.0000

313.0879, 0.2872,
0.3918

■ 0.0000, 0.0000,
0.0000

■ 46.2374, 0.2602,
0.4567

■ 46.2374, 0.2602,
0.4567

■ 46.2386, 0.2602,
0.4567

■ 46.6102, 0.2582,
0.4427

■ 47.1645, 0.2578,
0.4283

■ 47.9592, 0.2595,
0.4138

■ 49.0252, 0.2631,
0.3995

■ 50.3888, 0.2685,
0.3857

■ 52.0729, 0.2755,
0.3725

■ 54.0982, 0.2837,
0.3601

■ 56.4836, 0.2929,
0.3487

■ 59.2467, 0.3026,
0.3383

Harmonies

Analogous

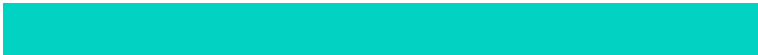
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.2374, 0.3453, 0.5010



46.2374, 0.2602, 0.4567



46.2374, 0.1943, 0.3577

Triad

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



46.2374, 0.2602, 0.4567



46.2374, 0.1950, 0.1939



46.2374, 0.4908, 0.3506

Complementary

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



46.2374, 0.2602, 0.4567



13.8026, 0.5510, 0.2809

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.



46.2374, 0.4397, 0.2888



46.2374, 0.2602, 0.4567



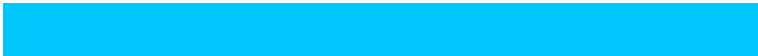
46.2374, 0.2585, 0.2034

Square

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



46.2374, 0.2602, 0.4567



46.2374, 0.1633, 0.2125



46.2374, 0.3486, 0.2369



46.2374, 0.4823, 0.4160

Rectangle

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



46.2374, 0.2602, 0.4567



46.2374, 0.1690, 0.2930



46.2374, 0.3486, 0.2369



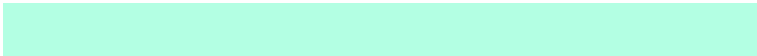
46.2374, 0.4802, 0.3294

Sweetspot

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



46.2392, 0.2602, 0.4567



86.5652, 0.2834, 0.3606



46.3052, 0.3218, 0.5827



18.2193, 0.2798, 0.3658



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.



46.2392, 0.2602, 0.4567



74.0634, 0.2607, 0.4584



38.3131, 0.2143, 0.2915



13.3294, 0.3032, 0.3378



29.1505, 0.2597, 0.4548



1.6450, 0.2525, 0.4289

Inverse Universe

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



13.8026, 0.5510, 0.2809



22.0835, 0.5540, 0.2826



13.9267, 0.6310, 0.3372



11.8799, 0.3233, 0.3204



8.7122, 0.5474, 0.2789



0.5023, 0.4971, 0.2512

Previews

White Background



This preview shows how the Yxy color 46.2374, 0.2602, 0.4567 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 46.2374, 0.2602, 0.4567 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 46.2374, 0.2602, 0.4567

Background



This preview shows how black text looks on a background with the Yxy color 46.2374, 0.2602, 0.4567.



This preview shows how white text looks on a background with the Yxy color 46.2374, 0.2602, 0.4567.

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

46.2374, 0.2602, 0.4567

Protanopia

45.5765, 0.3772, 0.4078

Deuteranopia

45.1889, 0.3796, 0.3712



Tritanopia

46.1924, 0.2304, 0.3059

Trichromacy



Original Color

46.2374, 0.2602, 0.4567



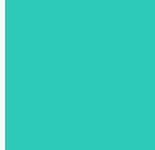
Protanomaly

42.5421, 0.3086, 0.4332



Deuteranomaly

41.5155, 0.3083, 0.4057



Tritanomaly

45.7965, 0.2383, 0.3566

Monochromacy



Original Color

46.2374, 0.2602, 0.4567



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.5881, 0.2716, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2374, 0.2602, 0.4567 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, 207, 130)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 130)  
}
```

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, 207, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.2374, 0.2602, 0.4567 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, 207, 130) }
```

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

```
.border{ border-color:rgb(0, 207, 130) }
```

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

Here you see how a box with a 4 pixel rgb(0, 207, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 130);  
box-shadow:4px 4px 4px 4px rgb(0, 207,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2374, 0.2602, 0.4567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 130) }
```

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

```
.background{ background-color: rgb(0, 207,  
130) }
```

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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