

Converting Colors

$Yxy(46.0140, 0.2773, 0.4007)$

Have a look what the booklet for
Yxy(46.0140, 0.2773, 0.4007)
contains.

Yxy(46.1171, 0.2776, 0.4012)	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(46.1171, 0.2776, 0.4012)

Conversions

Conversions Part 1

Format	Color
Hex	69C798
RGB	105, 199, 152
RGB Percent	41%, 78%, 60%
CMY	0.5885, 0.2196, 0.4040
CMYK	0.47, 0.00, 0.24, 0.22
HSL	150°, 46%, 60%
HSV	150°, 47%, 78%
XYZ	31.9095, 46.1171, 36.9213
YIQ	165.5360, -40.9370, -34.5450

Conversions

Conversions Part 2

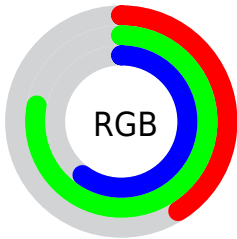
Format	Color
RYB	105, 168, 199
Decimal	6932376
CIELab	73.62, -38.79, 15.05
CIELCh	74, 41.610, 158.791
Yxy	46.1171, 0.2776, 0.4012
Android (android.graphics.Color)	4285122456 (0xFF69C798)
YUV	165.5360, -6.6732, -53.0901
Hunter-Lab	67.9096, -34.9677, 15.3017

Details

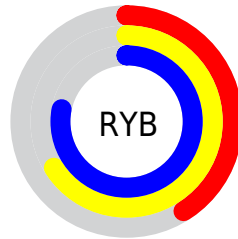
The Yxy color **46.1171, 0.2776, 0.4012** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.4979, 0.3750, 0.2681**, and the grayscale version is **37.9376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5533, 0.2846, 0.3861**, and **21.4904, 0.2660, 0.4236** is the 20% darker color. If you saturate the color by 10%, you get **44.7402, 0.2728, 0.4200**, and if you desaturate by 10%, it is **47.8069, 0.2837, 0.3834**.

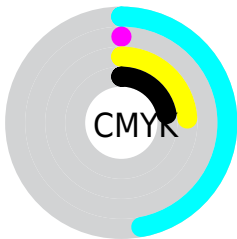
Distribution



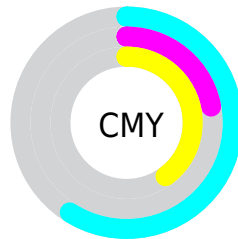
- Red (41%)
- Green (78%)
- Blue (60%)



- Red (41%)
- Yellow (66%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)





- Cyan (59%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.1171, 0.2776, 0.4012 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 46.1171, 0.2776, 0.4012 by changing the saturation by 10% instead.


 46.1171, 0.2776,
0.4012


 46.1171, 0.2776,
0.4012

371.2792, 0.2960,
0.3633

 32.3382, 0.2727,
0.4112


 84.3942, 0.2845,
0.3870


 21.6200, 0.2663,
0.4245


 109.6613, 0.2870,
0.3818

 13.5779, 0.2575,
0.4427


 139.5265, 0.2891,
0.3775

 7.8277, 0.2447,
0.4693

 174.3743, 0.2909,
0.3738

 3.9849, 0.2245,
0.5116

214.5891, 0.2924,
0.3706

 1.6651, 0.1774,
0.6075

260.5552, 0.2938,

 0.4009, 0.0000,

0.3679

1.0000

312.6572, 0.2950,
0.3655

0.0000, 0.0000,
0.0000

46.1171, 0.2776,
0.4012

46.1171, 0.2776,
0.4012

44.7402, 0.2728,
0.4200

47.8069, 0.2837,
0.3834

43.6501, 0.2697,
0.4395

49.8228, 0.2908,
0.3668

42.8252, 0.2685,
0.4591

52.1837, 0.2985,
0.3517

42.2386, 0.2692,
0.4784

54.9056, 0.3067,
0.3380


41.8528, 0.2718,
0.4967


58.0035, 0.3150,
0.3258

 41.7648, 0.2726,
0.5015

 61.4913, 0.3233,
0.3150

 65.3824, 0.3315,
0.3055

 67.9147, 0.3323,
0.2963

 68.4946, 0.3250,
0.2868

Harmonies

Analogous

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



46.1171, 0.3340, 0.4333



46.1171, 0.2776, 0.4012



46.1171, 0.2333, 0.3440

Triad

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



46.1171, 0.2776, 0.4012



46.1171, 0.2372, 0.2376



46.1171, 0.4268, 0.3526

Complementary

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



46.1171, 0.2776, 0.4012



24.4979, 0.3750, 0.2681

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.



46.1171, 0.3965, 0.3079



46.1171, 0.2776, 0.4012



46.1171, 0.2831, 0.2448

Square

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



46.1171, 0.2776, 0.4012



46.1171, 0.2122, 0.2515



46.1171, 0.3418, 0.2699



46.1171, 0.4224, 0.3963

Rectangle

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



46.1171, 0.2776, 0.4012



46.1171, 0.2155, 0.3053



46.1171, 0.3418, 0.2699



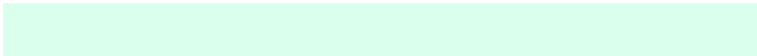
46.1171, 0.4204, 0.3374

Sweetspot

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



46.1190, 0.2776, 0.4012



92.7503, 0.3010, 0.3473



48.5444, 0.3411, 0.4611



19.6382, 0.2992, 0.3504



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.



46.1190, 0.2776, 0.4012



78.2048, 0.2726, 0.4211



47.9764, 0.2505, 0.3288



11.9749, 0.3049, 0.3408



26.8691, 0.2720, 0.4991



1.2869, 0.2613, 0.4608

Inverse Universe

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



24.4979, 0.3750, 0.2681



35.7260, 0.3964, 0.2563



23.2510, 0.4412, 0.3294



10.7239, 0.3213, 0.3175



8.4102, 0.4941, 0.2495



0.4128, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 46.1171, 0.2776, 0.4012 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 46.1171, 0.2776, 0.4012 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

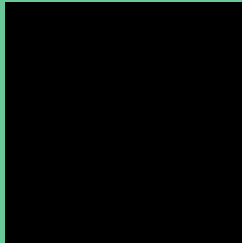
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.1171, 0.2776, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 46.1171, 0.2776, 0.4012.



This preview shows how white text looks on a background with the Yxy color 46.1171, 0.2776, 0.4012.

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

46.1171, 0.2776, 0.4012

Protanopia

45.2997, 0.3537, 0.3764

Deuteranopia

45.3349, 0.3553, 0.3480



Tritanopia

46.1262, 0.2518, 0.3079

Trichromacy



Original Color

46.1171, 0.2776, 0.4012



Protanomaly

44.6667, 0.3217, 0.3858



Deuteranomaly

44.2912, 0.3222, 0.3651



Tritanomaly

46.1955, 0.2611, 0.3405

Monochromacy



Original Color

46.1171, 0.2776, 0.4012



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.3433, 0.2972, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1171, 0.2776, 0.4012 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(105, 199, 152)` looks like.

```
.text, #text, p{  
    color:rgb(105, 199, 152)  
}
```

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(105, 199, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 199, 152) }
```

Border

The CSS property to change the border of an element to Yxy 46.1171, 0.2776, 0.4012 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(105, 199, 152) }
```

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

```
.border{ border-color:rgb(105, 199, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 199, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 199, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 199, 152);  
box-shadow:4px 4px 4px 4px rgb(105, 199,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1171, 0.2776, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 199, 152) }
```

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

```
.background{ background-color: rgb(105,  
199, 152) }
```

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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