

Converting Colors

$Yxy(46.0718, 0.2702, 0.3805)$

Have a look what the booklet for
Yxy(46.0718, 0.2702, 0.3805)
contains.

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Color

Yxy(46.0718, 0.2702, 0.3805)

Conversions

Conversions Part 1

Format	Color
Hex	69C6A4
RGB	105, 198, 164
RGB Percent	41%, 78%, 64%
CMY	0.5884, 0.2235, 0.3568
CMYK	0.47, 0.00, 0.17, 0.22
HSL	158°, 45%, 59%
HSV	158°, 47%, 78%
XYZ	32.7164, 46.0718, 42.2940
YIQ	166.3170, -44.5140, -30.2900

Conversions

Conversions Part 2

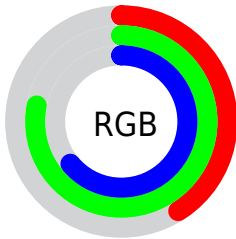
Format	Color
RYB	105, 162, 198
Decimal	6932132
CIELab	73.59, -35.76, 8.54
CIElCh	74, 36.767, 166.566
Yxy	46.0718, 0.2702, 0.3805
Android (android.graphics.Color)	4285122212 (0xFF69C6A4)
YUV	166.3170, -1.1423, -53.7750
Hunter-Lab	67.8762, -32.7461, 10.5694

Details

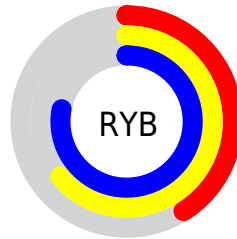
The Yxy color **46.0718, 0.2702, 0.3805** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.9623, 0.3916, 0.2844**, and the grayscale version is **38.3115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2115, 0.2781, 0.3703**, and **21.7207, 0.2578, 0.3980** is the 20% darker color. If you saturate the color by 10%, you get **44.7577, 0.2642, 0.3939**, and if you desaturate by 10%, it is **47.6836, 0.2776, 0.3678**.

Distribution



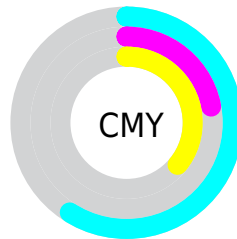
- Red (41%)
- Green (78%)
- Blue (64%)



- Red (41%)
- Yellow (64%)
- Blue (78%)



- Cyan (47%)
- Magenta (0%)
- Yellow (17%)
- Black (22%)





- Cyan (59%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0718, 0.2702, 0.3805 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 46.0718, 0.2702, 0.3805 by changing the saturation by 10% instead.


 46.0718, 0.2702,
0.3805

 46.0718, 0.2702,
0.3805


371.0972, 0.2918,
0.3539


 32.3025, 0.2647,
0.3874


 84.3264, 0.2782,
0.3706


 21.5926, 0.2575,
0.3965


 109.5806, 0.2811,
0.3670

 13.5579, 0.2479,
0.4089


 139.4317, 0.2836,
0.3639

 7.8138, 0.2342,
0.4268

 174.2644, 0.2857,
0.3613

 3.9760, 0.2135,
0.4549

214.4628, 0.2876,
0.3590

 1.6602, 0.1709,
0.5092

260.4115, 0.2892,

 0.3977, 0.0000,

0.3571

1.0000

312.4949, 0.2906,
0.3554

0.0000, 0.0000,
0.0000

46.0718, 0.2702,
0.3805

46.0718, 0.2702,
0.3805

44.7577, 0.2642,
0.3939

47.6836, 0.2776,
0.3678

43.7158, 0.2599,
0.4077

49.6054, 0.2862,
0.3560

42.9254, 0.2576,
0.4219


51.8557, 0.2956,
0.3452

42.3604, 0.2572,
0.4360


54.4499, 0.3056,
0.3353

41.9855, 0.2588,
0.4498


57.4022, 0.3158,
0.3264

 41.8906, 0.2594,
0.4539

 60.7263, 0.3261,
0.3185

 64.4348, 0.3364,
0.3115

 66.9206, 0.3398,
0.3048

 67.3167, 0.3343,
0.2977

Harmonies

Analogous

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



46.0718, 0.3190, 0.4160



46.0718, 0.2702, 0.3805



46.0718, 0.2347, 0.3290

Triad

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



46.0718, 0.2702, 0.3805



46.0718, 0.2545, 0.2471



46.0718, 0.4156, 0.3616

Complementary

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



46.0718, 0.2702, 0.3805



23.9623, 0.3916, 0.2844

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.



46.0718, 0.3963, 0.3208



46.0718, 0.2702, 0.3805



46.0718, 0.2996, 0.2579

Square

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



46.0718, 0.2702, 0.3805



46.0718, 0.2266, 0.2549



46.0718, 0.3523, 0.2841



46.0718, 0.4045, 0.3985

Rectangle

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



46.0718, 0.2702, 0.3805



46.0718, 0.2222, 0.2968



46.0718, 0.3523, 0.2841



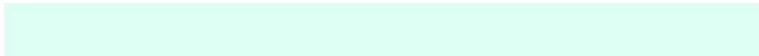
46.0718, 0.4126, 0.3480

Sweetspot

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



46.0737, 0.2702, 0.3805



93.0349, 0.2984, 0.3423



46.9068, 0.3309, 0.4646



19.7076, 0.2962, 0.3446



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.



46.0737, 0.2702, 0.3805



79.2814, 0.2643, 0.3937



42.0281, 0.2475, 0.3106



11.9993, 0.3032, 0.3376



27.2563, 0.2589, 0.4521



1.3042, 0.2509, 0.4233

Inverse Universe

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



23.9623, 0.3916, 0.2844



35.5864, 0.4179, 0.2765



25.8318, 0.4316, 0.3458



10.6999, 0.3233, 0.3206



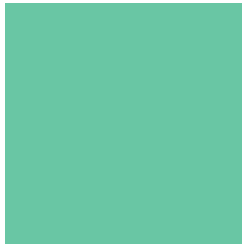
8.1300, 0.5494, 0.2800



0.3989, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 46.0718, 0.2702, 0.3805 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 46.0718, 0.2702, 0.3805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

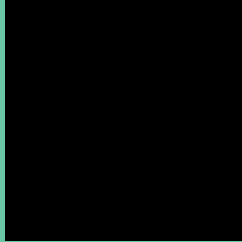
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0718, 0.2702, 0.3805

Background



This preview shows how black text looks on a background with the Yxy color 46.0718, 0.2702, 0.3805.



This preview shows how white text looks on a background with the Yxy color 46.0718, 0.2702, 0.3805.

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

46.0718, 0.2702, 0.3805

Protanopia

45.3921, 0.3424, 0.3620

Deuteranopia

45.5542, 0.3415, 0.3354



Tritanopia

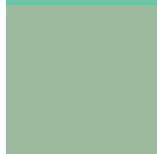
45.9862, 0.2507, 0.3079

Trichromacy



Original Color

46.0718, 0.2702, 0.3805



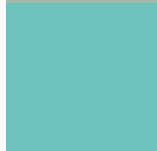
Protanomaly

44.8555, 0.3109, 0.3686



Deuteranomaly

44.7640, 0.3108, 0.3511



Tritanomaly

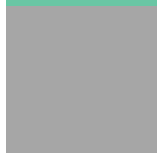
45.8559, 0.2580, 0.3332

Monochromacy



Original Color

46.0718, 0.2702, 0.3805



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.4867, 0.2942, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0718, 0.2702, 0.3805 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, 198, 164)` looks like.

```
.text, #text, p{  
    color:rgb(105, 198, 164)  
}
```

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, 198, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 198, 164) }
```

Border

The CSS property to change the border of an element to Yxy 46.0718, 0.2702, 0.3805 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, 198, 164) }
```

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

```
.border{ border-color:rgb(105, 198, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 198, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 198, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 198, 164);  
box-shadow:4px 4px 4px 4px rgb(105, 198,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0718, 0.2702, 0.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 198, 164) }
```

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

```
.background{ background-color: rgb(105,  
198, 164) }
```

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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