

Converting Colors

$Yxy(38.7266, 0.2726, 0.4309)$

Have a look what the booklet for
Yxy(38.7266, 0.2726, 0.4309)
contains.

Yxy(38.9414, 0.2730, 0.4317)	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(38.9414, 0.2730, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	49BC80
RGB	73, 188, 128
RGB Percent	29%, 74%, 50%
CMY	0.7138, 0.2627, 0.4981
CMYK	0.61, 0.00, 0.32, 0.26
HSL	149°, 46%, 51%
HSV	149°, 61%, 74%
XYZ	24.6259, 38.9414, 26.6375
YIQ	146.7750, -49.2800, -43.0400

Conversions

Conversions Part 2

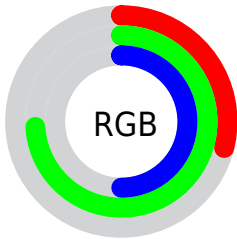
Format	Color
RYB	73, 151, 188
Decimal	4832384
CIELab	68.71, -46.37, 20.96
CIELCh	69, 50.890, 155.673
Yxy	38.9414, 0.2730, 0.4317
Android (android.graphics.Color)	4283022464 (0xFF49BC80)
YUV	146.7750, -9.2561, -64.7007
Hunter-Lab	62.4030, -38.7645, 18.3735

Details

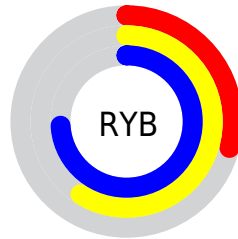
The Yxy color **38.9414, 0.2730, 0.4317** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.1491, 0.3990, 0.2501**, and the grayscale version is **29.1331, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5465, 0.2817, 0.4102**, and **17.6003, 0.2634, 0.4683** is the 20% darker color. If you saturate the color by 10%, you get **38.0705, 0.2707, 0.4521**, and if you desaturate by 10%, it is **40.0624, 0.2770, 0.4118**.

Distribution



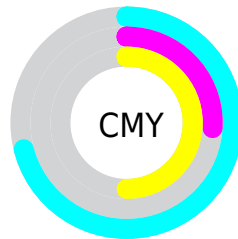
- Red (29%)
- Green (74%)
- Blue (50%)



- Red (29%)
- Yellow (59%)
- Blue (74%)



- Cyan (61%)
- Magenta (0%)
- Yellow (32%)
- Black (26%)




- Cyan (71%)
- Magenta (26%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.9414, 0.2730, 0.4317 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 38.9414, 0.2730, 0.4317 by changing the saturation by 10% instead.


 38.9414, 0.2730,
0.4317

 38.9414, 0.2730,
0.4317


341.6413, 0.2950,
0.3756


 26.7141, 0.2667,
0.4474


 73.5488, 0.2816,
0.4101


 17.3587, 0.2581,
0.4686


 96.6977, 0.2846,
0.4024


 10.4905, 0.2458,
0.4987


 124.2560, 0.2871,
0.3960

 5.7254, 0.2266,
0.5446

 156.6080, 0.2892,
0.3906

 2.6788, 0.1943,
0.6223

 194.1381, 0.2910,
0.3860

 0.9665, 0.0000,
1.0000

237.2308, 0.2925,

 0.0000, 0.0000,

0.3821

0.0000

286.2704, 0.2939,
0.3786

■ 38.9414, 0.2730,
0.4317

■ 38.9414, 0.2730,
0.4317

■ 38.0705, 0.2707,
0.4521

■ 40.0624, 0.2770,
0.4118

■ 37.4234, 0.2703,
0.4724

■ 41.4474, 0.2824,
0.3927

■ 36.9766, 0.2719,
0.4919

■ 43.1151, 0.2889,
0.3749

■ 36.7053, 0.2745,
0.5082

■ 45.0809, 0.2961,
0.3586

■ 47.3591, 0.3038,
0.3438

■ 49.9631, 0.3118,
0.3305

■ 52.9055, 0.3198,
0.3187

■ 56.1982, 0.3276,
0.3082

■ 59.8524, 0.3353,
0.2991

Harmonies

Analogous

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



38.9414, 0.3447, 0.4677



38.9414, 0.2730, 0.4317



38.9414, 0.2159, 0.3555

Triad

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



38.9414, 0.2730, 0.4317



38.9414, 0.2130, 0.2151



38.9414, 0.4581, 0.3494

Complementary

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



38.9414, 0.2730, 0.4317



17.1491, 0.3990, 0.2501

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.



38.9414, 0.4148, 0.2956



38.9414, 0.2730, 0.4317



38.9414, 0.2669, 0.2222

Square

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



38.9414, 0.2730, 0.4317



38.9414, 0.1857, 0.2333



38.9414, 0.3411, 0.2507



38.9414, 0.4550, 0.4049

Rectangle

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



38.9414, 0.2730, 0.4317



38.9414, 0.1928, 0.3034



38.9414, 0.3411, 0.2507



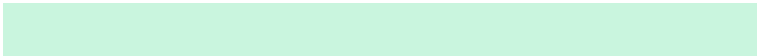
38.9414, 0.4486, 0.3309

Sweetspot

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



38.9430, 0.2730, 0.4317



82.8285, 0.2983, 0.3542



41.5451, 0.3486, 0.4981



17.5659, 0.2961, 0.3586



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.9430, 0.2730, 0.4317



68.5980, 0.2704, 0.4582



40.8525, 0.2409, 0.3348



10.7236, 0.3053, 0.3412



25.0042, 0.2739, 0.5060



0.9927, 0.2612, 0.4604

Inverse Universe

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



17.1491, 0.3990, 0.2501



25.7992, 0.4277, 0.2408



15.9890, 0.4968, 0.3248



9.6173, 0.3209, 0.3171



7.8960, 0.4843, 0.2442



0.3224, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 38.9414, 0.2730, 0.4317 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 38.9414, 0.2730, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

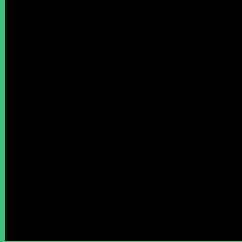
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.9414, 0.2730, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 38.9414, 0.2730, 0.4317.

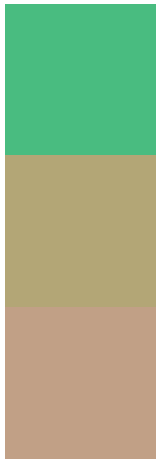


This preview shows how white text looks on a background with the Yxy color 38.9414, 0.2730, 0.4317.

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

38.9414, 0.2730, 0.4317

Protanopia

38.1641, 0.3686, 0.3963

Deuteranopia

38.2003, 0.3703, 0.3640



Tritanopia

38.9172, 0.2424, 0.3076

Trichromacy



Original Color

38.9414, 0.2730, 0.4317



Protanomaly

37.2527, 0.3246, 0.4104



Deuteranomaly

36.8050, 0.3255, 0.3872



Tritanomaly

38.7477, 0.2529, 0.3497

Monochromacy



Original Color

38.9414, 0.2730, 0.4317



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.7272, 0.2929, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9414, 0.2730, 0.4317 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(73, 188, 128)` looks like.

```
.text, #text, p{  
  color:rgb(73, 188, 128)  
}
```

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(73, 188, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 188, 128) }
```

Border

The CSS property to change the border of an element to Yxy 38.9414, 0.2730, 0.4317 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(73, 188, 128) }
```

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

```
.border{ border-color:rgb(73, 188, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 188, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 188, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 188, 128);  
box-shadow:4px 4px 4px 4px rgb(73, 188,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9414, 0.2730, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 188, 128) }
```

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

```
.background{ background-color: rgb(73, 188,  
128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor