

Converting Colors

$Y_{xy}(22.9213, 0.2727, 0.4301)$

Have a look what the booklet for
Yxy(22.9213, 0.2727, 0.4301)
contains.

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Color

Yxy(22.9407, 0.2730, 0.4314)

Conversions

Conversions Part 1

Format	Color
Hex	389464
RGB	56, 148, 100
RGB Percent	22%, 58%, 39%
CMY	0.7807, 0.4196, 0.6078
CMYK	0.62, 0.00, 0.32, 0.42
HSL	149°, 45%, 40%
HSV	149°, 62%, 58%
XYZ	14.5174, 22.9407, 15.7192
YIQ	115.0200, -39.4240, -34.4320

Conversions

Conversions Part 2

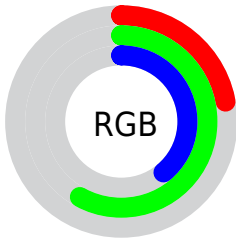
Format	Color
RYB	56, 118, 148
Decimal	3708004
CIELab	55.01, -38.81, 17.51
CIELCh	55, 42.580, 155.712
Yxy	22.9407, 0.2730, 0.4314
Android (android.graphics.Color)	4281898084 (0xFF389464)
YUV	115.0200, -7.4049, -51.7605
Hunter-Lab	47.8965, -29.7155, 14.0690

Details

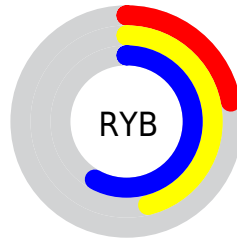
The Yxy color **22.9407, 0.2730, 0.4314** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.1150, 0.3989, 0.2503**, and the grayscale version is **17.1763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3910, 0.2829, 0.4071**, and **8.6228, 0.2648, 0.4731** is the 20% darker color. If you saturate the color by 10%, you get **22.4347, 0.2707, 0.4514**, and if you desaturate by 10%, it is **23.5888, 0.2769, 0.4118**.

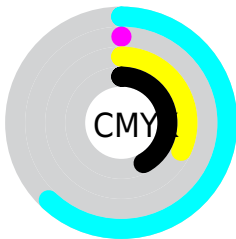
Distribution



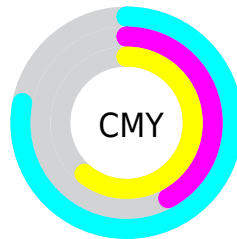
- Red (22%)
- Green (58%)
- Blue (39%)



- Red (22%)
- Yellow (46%)
- Blue (58%)



- Cyan (62%)
- Magenta (0%)
- Yellow (32%)
- Black (42%)





- Cyan (78%)
- Magenta (42%)
- Yellow (61%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9407, 0.2730, 0.4314 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 22.9407, 0.2730, 0.4314 by changing the saturation by 10% instead.


 22.9407, 0.2730,
0.4314


 22.9407, 0.2730,
0.4314


267.4203, 0.2967,
0.3710


 14.5497, 0.2653,
0.4506


 48.2959, 0.2828,
0.4067

 8.5040, 0.2540,
0.4785


 66.0290, 0.2861,
0.3983


 4.4191, 0.2359,
0.5221

 87.6449, 0.2888,
0.3916

 1.9107, 0.2021,
0.6109

 113.5279, 0.2909,
0.3860

 0.5548, 0.0000,
1.0000

 144.0626, 0.2927,
0.3813

 0.0000, 0.0000,
0.0000

179.6333, 0.2943,

0.3774

220.6244, 0.2956,
0.3740

■ 22.9407, 0.2730,
0.4314

■ 22.9407, 0.2730,
0.4314

■ 22.4347, 0.2707,
0.4514

■ 23.5888, 0.2769,
0.4118

■ 22.0560, 0.2703,
0.4713

■ 24.3866, 0.2822,
0.3932

■ 21.7917, 0.2717,
0.4905

■ 25.3445, 0.2885,
0.3757

■ 21.6363, 0.2736,
0.5049

■ 26.4711, 0.2956,
0.3596

■ 27.7746, 0.3032,
0.3449

■ 29.2622, 0.3110,
0.3317

■ 30.9412, 0.3188,
0.3200

■ 32.8180, 0.3266,
0.3096

■ 34.8992, 0.3341,
0.3004

Harmonies

Analogous

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



22.9407, 0.3446, 0.4674



22.9407, 0.2730, 0.4314



22.9407, 0.2160, 0.3554

Triad

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



22.9407, 0.2730, 0.4314



22.9407, 0.2132, 0.2152



22.9407, 0.4579, 0.3495

Complementary

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



22.9407, 0.2730, 0.4314



10.1150, 0.3989, 0.2503

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.



22.9407, 0.4146, 0.2957



22.9407, 0.2730, 0.4314



22.9407, 0.2671, 0.2223

Square

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



22.9407, 0.2730, 0.4314



22.9407, 0.1859, 0.2334



22.9407, 0.3412, 0.2509



22.9407, 0.4547, 0.4048

Rectangle

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



22.9407, 0.2730, 0.4314



22.9407, 0.1930, 0.3034



22.9407, 0.3412, 0.2509



22.9407, 0.4484, 0.3310

Sweetspot

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



22.9416, 0.2730, 0.4314



47.3210, 0.2977, 0.3552



24.4731, 0.3485, 0.4979



10.6716, 0.2958, 0.3592



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.9416, 0.2730, 0.4314



39.2666, 0.2703, 0.4599



24.0640, 0.2410, 0.3348



6.5119, 0.3055, 0.3408



18.4833, 0.2733, 0.5038



0.2321, 0.2511, 0.4241

Inverse Universe

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



10.1150, 0.3989, 0.2503



14.6272, 0.4299, 0.2405



9.4326, 0.4963, 0.3248



5.8629, 0.3206, 0.3175



5.8428, 0.4821, 0.2430



0.0775, 0.3983, 0.1968

Previews

White Background



This preview shows how the Yxy color 22.9407, 0.2730, 0.4314 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9407, 0.2730, 0.4314 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 × Fail

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

Yxy 22.9407, 0.2730, 0.4314

Background



This preview shows how black text looks on a background with the Yxy color 22.9407, 0.2730, 0.4314.



This preview shows how white text looks on a background with the Yxy color 22.9407, 0.2730, 0.4314.

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

22.9407, 0.2730, 0.4314

Protanopia

22.6680, 0.3684, 0.3970

Deuteranopia

22.6170, 0.3697, 0.3642



Tritanopia

22.7661, 0.2423, 0.3061

Trichromacy



Original Color

22.9407, 0.2730, 0.4314

Protanomaly

22.0325, 0.3252, 0.4108

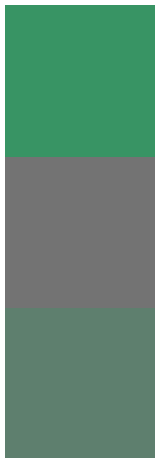
Deuteranomaly

21.8114, 0.3258, 0.3881

Tritanomaly

22.8610, 0.2531, 0.3488

Monochromacy



Original Color

22.9407, 0.2730, 0.4314

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.6842, 0.2930, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9407, 0.2730, 0.4314 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(56, 148, 100)` looks like.

```
.text, #text, p{  
    color:rgb(56, 148, 100)  
}
```

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(56, 148, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 148, 100) }
```

Border

The CSS property to change the border of an element to Yxy 22.9407, 0.2730, 0.4314 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(56, 148, 100) }
```

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

```
.border{ border-color:rgb(56, 148, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 148, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 148, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 148, 100);  
box-shadow:4px 4px 4px 4px rgb(56, 148,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9407, 0.2730, 0.4314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 148, 100) }
```

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

```
.background{ background-color: rgb(56, 148,  
100) }
```

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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