

Converting Colors

$Y_{xy}(22.7296, 0.2916, 0.4444)$

Have a look what the booklet for
Yxy(22.7296, 0.2916, 0.4444)
contains.

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Color

Yxy(22.7296, 0.2916, 0.4444)

Conversions

Conversions Part 1

Format	Color
Hex	49925B
RGB	73, 146, 91
RGB Percent	29%, 57%, 36%
CMY	0.7138, 0.4274, 0.6431
CMYK	0.50, 0.00, 0.38, 0.43
HSL	135°, 33%, 43%
HSV	135°, 50%, 57%
XYZ	14.9144, 22.7296, 13.5027
YIQ	117.9030, -25.8530, -32.5810

Conversions

Conversions Part 2

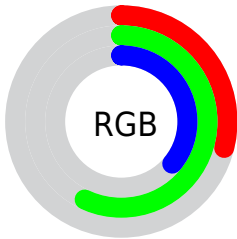
Format	Color
R_{YB}	73, 132, 146
Decimal	4821595
CIE _{Lab}	54.79, -35.45, 22.32
CIE _{LCh}	55, 41.896, 147.807
Yxy	22.7296, 0.2916, 0.4444
Android (android.graphics.Color)	4283011675 (0xFF49925B)
YUV	117.9030, -13.2632, -39.3799
Hunter-Lab	47.6756, -27.5920, 16.5807

Details

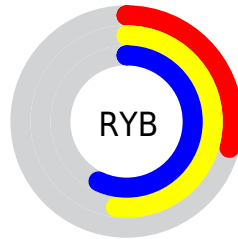
The Yxy color **22.7296, 0.2916, 0.4444** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4316, 0.3459, 0.2372**, and the grayscale version is **18.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1619, 0.2973, 0.4166**, and **8.4596, 0.2789, 0.4990** is the 20% darker color. If you saturate the color by 10%, you get **22.0497, 0.2891, 0.4723**, and if you desaturate by 10%, it is **23.5731, 0.2950, 0.4174**.

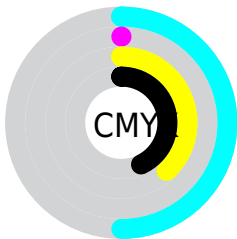
Distribution



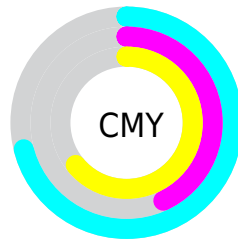
- Red (29%)
- Green (57%)
- Blue (36%)



- Red (29%)
- Yellow (52%)
- Blue (57%)



- Cyan (50%)
- Magenta (0%)
- Yellow (38%)
- Black (43%)




- Cyan (71%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7296, 0.2916, 0.4444 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 22.7296, 0.2916, 0.4444 by changing the saturation by 10% instead.


 22.7296, 0.2916,
0.4444


 22.7296, 0.2916,
0.4444


266.3331, 0.3054,
0.3762


 14.3940, 0.2864,
0.4661


 47.9489, 0.2977,
0.4165


 8.3952, 0.2783,
0.4975


 65.6015, 0.2996,
0.4070

 4.3488, 0.2643,
0.5464

 87.1284, 0.3011,
0.3993

 1.8706, 0.2482,
0.6719

 112.9141, 0.3024,
0.3931

 0.5306, 0.0000,
1.0000

 143.3431, 0.3033,
0.3878

 0.0000, 0.0000,
0.0000

178.7996, 0.3041,

0.3833

219.6682, 0.3048,
0.3795

■ 22.7296, 0.2916,
0.4444

■ 22.7296, 0.2916,
0.4444

■ 22.0497, 0.2891,
0.4723

■ 23.5731, 0.2950,
0.4174

■ 21.5198, 0.2877,
0.5000

■ 24.5870, 0.2991,
0.3920

■ 21.1289, 0.2877,
0.5261

■ 25.7813, 0.3035,
0.3687

■ 20.8628, 0.2891,
0.5492

■ 27.1642, 0.3081,
0.3477

■ 20.6869, 0.2912,
0.5684

■ 28.7436, 0.3127,
0.3290

■ 30.5268, 0.3172,
0.3126

■ 32.5207, 0.3216,
0.2982

■ 34.7321, 0.3257,
0.2857

■ 37.1671, 0.3296,
0.2748

Harmonies

Analogous

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



22.7296, 0.3630, 0.4658



22.7296, 0.2916, 0.4444



22.7296, 0.2298, 0.3764

Triad

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



22.7296, 0.2916, 0.4444



22.7296, 0.2046, 0.2187



22.7296, 0.4490, 0.3349

Complementary

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



22.7296, 0.2916, 0.4444



12.4316, 0.3459, 0.2372

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.



22.7296, 0.3960, 0.2833



22.7296, 0.2916, 0.4444



22.7296, 0.2513, 0.2194

Square

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



22.7296, 0.2916, 0.4444



22.7296, 0.1847, 0.2441



22.7296, 0.3205, 0.2425



22.7296, 0.4582, 0.3901

Rectangle

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



22.7296, 0.2916, 0.4444



22.7296, 0.2018, 0.3233



22.7296, 0.3205, 0.2425



22.7296, 0.4356, 0.3170

Sweetspot

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



22.7305, 0.2916, 0.4444



46.5850, 0.3057, 0.3585



25.7044, 0.3639, 0.4556



10.2634, 0.3048, 0.3625



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.7305, 0.2916, 0.4444



38.7698, 0.2889, 0.4757



23.4950, 0.2634, 0.3678



6.4905, 0.3085, 0.3461



18.2066, 0.2910, 0.5676



0.2269, 0.2701, 0.4922

Inverse Universe

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



12.4316, 0.3459, 0.2372



18.4418, 0.3561, 0.2198



11.6547, 0.4101, 0.2953



5.8850, 0.3173, 0.3125



6.3708, 0.3932, 0.1940



0.0827, 0.3537, 0.1722

Previews

White Background



This preview shows how the Yxy color 22.7296, 0.2916, 0.4444 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 22.7296, 0.2916, 0.4444 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 22.7296, 0.2916, 0.4444

Background



This preview shows how black text looks on a background with the Yxy color 22.7296, 0.2916, 0.4444.



This preview shows how white text looks on a background with the Yxy color 22.7296, 0.2916, 0.4444.

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

22.7296, 0.2916, 0.4444

Protanopia

22.3719, 0.3780, 0.4070

Deuteranopia

22.3818, 0.3837, 0.3772



Tritanopia

22.6935, 0.2536, 0.3083

Trichromacy



Original Color

22.7296, 0.2916, 0.4444

Protanomaly

22.0783, 0.3417, 0.4223

Deuteranomaly

21.9432, 0.3453, 0.4016

Tritanomaly

22.7248, 0.2670, 0.3546

Monochromacy



Original Color

22.7296, 0.2916, 0.4444

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.3458, 0.3039, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7296, 0.2916, 0.4444 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, 146, 91)` looks like.

```
.text, #text, p{  
    color:rgb(73, 146, 91)  
}
```

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, 146, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 146, 91) }
```

Border

The CSS property to change the border of an element to Yxy 22.7296, 0.2916, 0.4444 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, 146, 91) }
```

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

```
.border{ border-color:rgb(73, 146, 91) }
```

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

Here you see how a box with a 4 pixel rgb(73, 146, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 146, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 146, 91);  
box-shadow:4px 4px 4px 4px rgb(73, 146,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7296, 0.2916, 0.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 146, 91) }
```

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

```
.background{ background-color: rgb(73, 146,  
91) }
```

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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