

Converting Colors

$Yxy(35.4227, 0.2792, 0.4409)$

Have a look what the booklet for
Yxy(35.4227, 0.2792, 0.4409)
contains.

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Color

Yxy(35.4227, 0.2792, 0.4409)

Conversions

Conversions Part 1

Format	Color
Hex	4BB475
RGB	75, 180, 117
RGB Percent	29%, 71%, 46%
CMY	0.7061, 0.2941, 0.5411
CMYK	0.58, 0.00, 0.35, 0.29
HSL	144°, 41%, 50%
HSV	144°, 58%, 71%
XYZ	22.4314, 35.4227, 22.4877
YIQ	141.4230, -42.3570, -41.8530

Conversions

Conversions Part 2

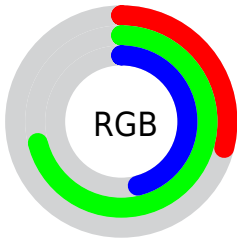
Format	Color
RYB	75, 150, 180
Decimal	4961397
CIELab	66.08, -44.79, 23.29
CIELCh	66, 50.483, 152.525
Yxy	35.4227, 0.2792, 0.4409
Android (android.graphics.Color)	4283151477 (0xFF4BB475)
YUV	141.4230, -12.0405, -58.2530
Hunter-Lab	59.5170, -36.8796, 19.2600

Details

The Yxy color **35.4227, 0.2792, 0.4409** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.5635, 0.3793, 0.2424**, and the grayscale version is **26.8678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3385, 0.2871, 0.4178**, and **15.3391, 0.2672, 0.4820** is the 20% darker color. If you saturate the color by 10%, you get **34.5591, 0.2769, 0.4641**, and if you desaturate by 10%, it is **36.5237, 0.2830, 0.4182**.

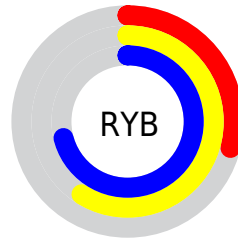
Distribution



Red (29%)

Green (71%)

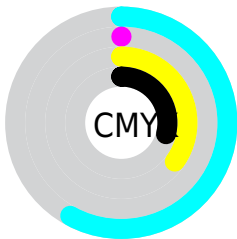
Blue (46%)



Red (29%)

Yellow (59%)

Blue (71%)

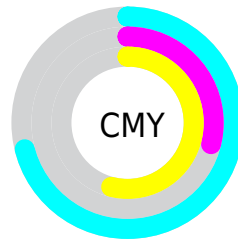


Cyan (58%)

Magenta (0%)

Yellow (35%)

Black (29%)



Cyan (71%)


Magenta (29%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4227, 0.2792, 0.4409 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 35.4227, 0.2792, 0.4409 by changing the saturation by 10% instead.


 35.4227, 0.2792,
0.4409


 35.4227, 0.2792,
0.4409


326.4302, 0.2986,
0.3787


 23.9887, 0.2733,
0.4587


 68.1401, 0.2870,
0.4167

 15.3252, 0.2650,
0.4831


 90.1922, 0.2897,
0.4081

 9.0479, 0.2526,
0.5182


 116.5525, 0.2919,
0.4010

 4.7725, 0.2324,
0.5725

 147.6054, 0.2937,
0.3951

 2.1144, 0.1980,
0.6996

 183.7352, 0.2952,
0.3901

 0.6727, 0.0000,
1.0000

225.3263, 0.2965,

 0.0000, 0.0000,

0.3858

0.0000

272.7632, 0.2976,
0.3820

■ 35.4227, 0.2792,
0.4409

■ 35.4227, 0.2792,
0.4409

■ 34.5591, 0.2769,
0.4641

■ 36.5237, 0.2830,
0.4182

■ 33.9099, 0.2764,
0.4871

■ 37.8745, 0.2880,
0.3965

■ 33.4544, 0.2778,
0.5090

■ 39.4917, 0.2938,
0.3764

■ 33.1568, 0.2807,
0.5291

■ 41.3892, 0.3002,
0.3580

■ 33.1143, 0.2812,
0.5322

■ 43.5799, 0.3070,
0.3415

■ 46.0758, 0.3138,
0.3267

■ 48.8884, 0.3206,
0.3137

■ 52.0285, 0.3273,
0.3022

■ 55.5064, 0.3337,
0.2921

Harmonies

Analogous

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



35.4227, 0.3528, 0.4716



35.4227, 0.2792, 0.4409



35.4227, 0.2187, 0.3649

Triad

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



35.4227, 0.2792, 0.4409



35.4227, 0.2067, 0.2134



35.4227, 0.4591, 0.3435

Complementary

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



35.4227, 0.2792, 0.4409



16.5635, 0.3793, 0.2424

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.



35.4227, 0.4102, 0.2894



35.4227, 0.2792, 0.4409



35.4227, 0.2589, 0.2182

Square

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



35.4227, 0.2792, 0.4409



35.4227, 0.1819, 0.2348



35.4227, 0.3332, 0.2452



35.4227, 0.4606, 0.4002

Rectangle

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



35.4227, 0.2792, 0.4409



35.4227, 0.1931, 0.3105



35.4227, 0.3332, 0.2452



35.4227, 0.4476, 0.3248

Sweetspot

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



35.4241, 0.2792, 0.4409



75.0602, 0.3003, 0.3579



38.5550, 0.3543, 0.4866



15.9978, 0.2984, 0.3630



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



35.4241, 0.2792, 0.4409



62.2853, 0.2766, 0.4707



37.0230, 0.2470, 0.3460



9.5446, 0.3063, 0.3430



23.1221, 0.2805, 0.5299



0.7392, 0.2643, 0.4716

Inverse Universe

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



16.5635, 0.3793, 0.2424



24.8813, 0.4014, 0.2296



15.3932, 0.4708, 0.3152



8.5880, 0.3197, 0.3154



7.5406, 0.4518, 0.2263



0.2484, 0.4064, 0.2012

Previews

White Background



This preview shows how the Yxy color 35.4227, 0.2792, 0.4409 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 35.4227, 0.2792, 0.4409 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 35.4227, 0.2792, 0.4409

Background



This preview shows how black text looks on a background with the Yxy color 35.4227, 0.2792, 0.4409.



This preview shows how white text looks on a background with the Yxy color 35.4227, 0.2792, 0.4409.

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

35.4227, 0.2792, 0.4409

Protanopia

34.7632, 0.3747, 0.4028

Deuteranopia

34.7773, 0.3780, 0.3707



Tritanopia

35.4407, 0.2456, 0.3084

Trichromacy



Original Color

35.4227, 0.2792, 0.4409



Protanomaly

34.1035, 0.3321, 0.4194



Deuteranomaly

33.6859, 0.3334, 0.3955



Tritanomaly

35.2727, 0.2578, 0.3538

Monochromacy



Original Color

35.4227, 0.2792, 0.4409



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

28.8905, 0.2966, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4227, 0.2792, 0.4409 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(75, 180, 117)` looks like.

```
.text, #text, p{  
    color:rgb(75, 180, 117)  
}
```

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(75, 180, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 180, 117) }
```

Border

The CSS property to change the border of an element to Yxy 35.4227, 0.2792, 0.4409 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(75, 180, 117) }
```

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

```
.border{ border-color:rgb(75, 180, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 180, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 180, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 180, 117);  
box-shadow:4px 4px 4px 4px rgb(75, 180,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4227, 0.2792, 0.4409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 180, 117) }
```

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

```
.background{ background-color: rgb(75, 180,  
117) }
```

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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