

Converting Colors

$Yxy(29.1342, 0.2741, 0.4482)$

Have a look what the booklet for
Yxy(29.1342, 0.2741, 0.4482)
contains.

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Color

Yxy(29.1331, 0.2741, 0.4482)

Conversions

Conversions Part 1

Format	Color
Hex	38A669
RGB	56, 166, 105
RGB Percent	22%, 65%, 41%
CMY	0.7804, 0.3490, 0.5882
CMYK	0.66, 0.00, 0.37, 0.35
HSL	147°, 50%, 44%
HSV	147°, 66%, 65%
XYZ	17.8166, 29.1331, 18.0506
YIQ	126.1560, -45.9790, -42.2910

Conversions

Conversions Part 2

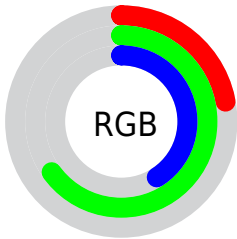
Format	Color
RYB	56, 132, 166
Decimal	3712617
CIELab	60.90, -45.31, 22.72
CIELCh	61, 50.683, 153.372
Yxy	29.1331, 0.2741, 0.4482
Android (android.graphics.Color)	4281902697 (0xFF38A669)
YUV	126.1560, -10.4299, -61.5268
Hunter-Lab	53.9751, -35.5356, 17.9546

Details

The Yxy color **29.1331, 0.2741, 0.4482** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.2185, 0.4016, 0.2411**, and the grayscale version is **20.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3217, 0.2832, 0.4205**, and **12.1057, 0.2700, 0.4920** is the 20% darker color. If you saturate the color by 10%, you get **28.5537, 0.2729, 0.4696**, and if you desaturate by 10%, it is **29.8940, 0.2771, 0.4269**.

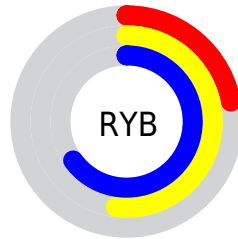
Distribution



Red (22%)

Green (65%)

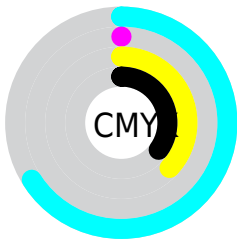
Blue (41%)



Red (22%)

Yellow (52%)

Blue (65%)

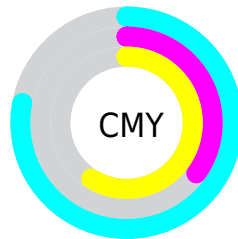


Cyan (66%)

Magenta (0%)

Yellow (37%)

Black (35%)



Cyan (78%)


Magenta (35%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1331, 0.2741, 0.4482 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 29.1331, 0.2741, 0.4482 by changing the saturation by 10% instead.


 29.1331, 0.2741,
0.4482


 29.1331, 0.2741,
0.4482


297.8424, 0.2970,
0.3798

 19.1815, 0.2668,
0.4688


 58.2885, 0.2835,
0.4209


 11.8015, 0.2563,
0.4977


 78.2611, 0.2867,
0.4114


 6.6087, 0.2401,
0.5409


 102.3428, 0.2892,
0.4037

 3.2186, 0.2124,
0.6109

 130.9181, 0.2913,
0.3973

 1.2469, 0.0317,
0.9683

 164.3713, 0.2931,
0.3919

 0.0995, 0.0000,
1.0000

203.0869, 0.2946,

 0.0000, 0.0000,

0.3873

0.0000

247.4491, 0.2959,
0.3833

■ 29.1331, 0.2741,
0.4482

■ 29.1331, 0.2741,
0.4482

■ 28.5537, 0.2729,
0.4696

■ 29.8940, 0.2771,
0.4269

■ 28.1351, 0.2735,
0.4905

■ 30.8475, 0.2815,
0.4063

■ 27.8552, 0.2760,
0.5102

■ 32.0080, 0.2872,
0.3868

■ 27.7678, 0.2770,
0.5172

■ 33.3875, 0.2937,
0.3688

■ 34.9971, 0.3007,
0.3523

■ 36.8470, 0.3080,
0.3375

■ 38.9469, 0.3155,
0.3243

■ 41.3059, 0.3229,
0.3126

■ 43.9326, 0.3301,
0.3022

Harmonies

Analogous

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



29.1331, 0.3521, 0.4822



29.1331, 0.2741, 0.4482



29.1331, 0.2109, 0.3647

Triad

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



29.1331, 0.2741, 0.4482



29.1331, 0.2014, 0.2063



29.1331, 0.4701, 0.3449

Complementary

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



29.1331, 0.2741, 0.4482



12.2185, 0.4016, 0.2411

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.



29.1331, 0.4192, 0.2880



29.1331, 0.2741, 0.4482



29.1331, 0.2571, 0.2123

Square

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



29.1331, 0.2741, 0.4482



29.1331, 0.1747, 0.2274



29.1331, 0.3367, 0.2412



29.1331, 0.4694, 0.4048

Rectangle

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



29.1331, 0.2741, 0.4482



29.1331, 0.1848, 0.3061



29.1331, 0.3367, 0.2412



29.1331, 0.4585, 0.3253

Sweetspot

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



29.1343, 0.2741, 0.4482



62.2644, 0.2978, 0.3589



31.4339, 0.3529, 0.5074



13.7580, 0.2959, 0.3633



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.1343, 0.2741, 0.4482



51.3891, 0.2730, 0.4806



30.6059, 0.2401, 0.3419



8.4612, 0.3058, 0.3418



21.5406, 0.2765, 0.5155



0.5345, 0.2581, 0.4493

Inverse Universe

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



12.2185, 0.4016, 0.2411



18.3451, 0.4328, 0.2328



11.2970, 0.5109, 0.3198



7.6093, 0.3203, 0.3166



6.8958, 0.4697, 0.2361



0.1778, 0.4087, 0.2025

Previews

White Background



This preview shows how the Yxy color 29.1331, 0.2741, 0.4482 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 29.1331, 0.2741, 0.4482 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 29.1331, 0.2741, 0.4482

Background



This preview shows how black text looks on a background with the Yxy color 29.1331, 0.2741, 0.4482.



This preview shows how white text looks on a background with the Yxy color 29.1331, 0.2741, 0.4482.

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

29.1331, 0.2741, 0.4482

Protanopia

28.6899, 0.3755, 0.4059

Deuteranopia

28.6745, 0.3802, 0.3726



Tritanopia

29.0563, 0.2405, 0.3065

Trichromacy



Original Color

29.1331, 0.2741, 0.4482



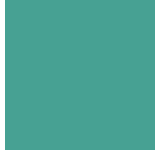
Protanomaly

27.7675, 0.3288, 0.4231



Deuteranomaly

27.3448, 0.3311, 0.3986



Tritanomaly

28.9359, 0.2524, 0.3544

Monochromacy



Original Color

29.1331, 0.2741, 0.4482



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.1245, 0.2933, 0.3734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1331, 0.2741, 0.4482 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, 166, 105)` looks like.

```
.text, #text, p{  
    color:rgb(56, 166, 105)  
}
```

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, 166, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 166, 105) }
```

Border

The CSS property to change the border of an element to Yxy 29.1331, 0.2741, 0.4482 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, 166, 105) }
```

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

```
.border{ border-color:rgb(56, 166, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 166, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 166, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 166, 105);  
box-shadow:4px 4px 4px 4px rgb(56, 166,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1331, 0.2741, 0.4482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 166, 105) }
```

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

```
.background{ background-color: rgb(56, 166,  
105) }
```

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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