

Converting Colors

$Yxy(30.2849, 0.2546, 0.4024)$

Have a look what the booklet for
Yxy(30.2849, 0.2546, 0.4024)
contains.

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Color

Yxy(30.1749, 0.2541, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	2DA882
RGB	45, 168, 130
RGB Percent	18%, 66%, 51%
CMY	0.8233, 0.3412, 0.4902
CMYK	0.73, 0.00, 0.23, 0.34
HSL	161°, 58%, 42%
HSV	161°, 73%, 66%
XYZ	19.1160, 30.1749, 25.9394
YIQ	126.8910, -61.1100, -37.8940

Conversions

Conversions Part 2

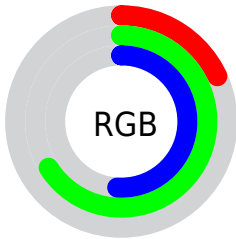
Format	Color
RYB	45, 118, 168
Decimal	2992258
CIELab	61.80, -42.42, 10.16
CIELCh	62, 43.619, 166.527
Yxy	30.1749, 0.2541, 0.4011
Android (android.graphics.Color)	4281182338 (0xFF2DA882)
YUV	126.8910, 1.5327, -71.8184
Hunter-Lab	54.9317, -34.0131, 10.4547

Details

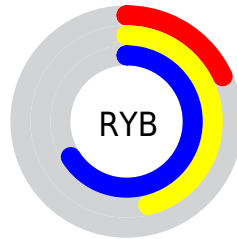
The Yxy color **30.1749, 0.2541, 0.4011** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.8302, 0.4810, 0.2793**, and the grayscale version is **21.1997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9814, 0.2666, 0.3853**, and **12.8555, 0.2511, 0.4238** is the 20% darker color. If you saturate the color by 10%, you get **29.7316, 0.2524, 0.4128**, and if you desaturate by 10%, it is **30.7793, 0.2578, 0.3896**.

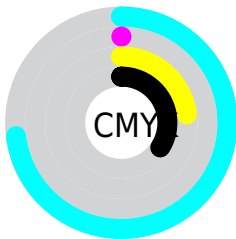
Distribution



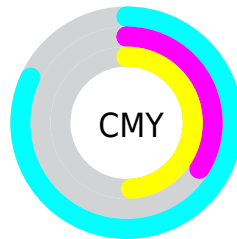
- Red (18%)
- Green (66%)
- Blue (51%)



- Red (18%)
- Yellow (46%)
- Blue (66%)



- Cyan (73%)
- Magenta (0%)
- Yellow (23%)
- Black (34%)




- Cyan (82%)
- Magenta (34%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1749, 0.2541, 0.4011 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 30.1749, 0.2541, 0.4011 by changing the saturation by 10% instead.

 30.1749, 0.2541,
0.4011


 30.1749, 0.2541,
0.4011


302.7189, 0.2861,
0.3609


 19.9714, 0.2451,
0.4128


 59.9387, 0.2665,
0.3853


 12.3742, 0.2329,
0.4289


 80.2677, 0.2709,
0.3798

 6.9991, 0.2154,
0.4525


 104.7407, 0.2745,
0.3752

 3.4615, 0.1886,
0.4903

 133.7420, 0.2776,
0.3714

 1.3772, 0.0900,
0.5997

 167.6561, 0.2802,
0.3682

 0.1998, 0.0000,
1.0000

206.8674, 0.2825,

 0.0000, 0.0000,

0.3654

0.0000

251.7601, 0.2844,
0.3630

■ 30.1749, 0.2541,
0.4011

■ 30.1749, 0.2541,
0.4011

■ 29.7316, 0.2524,
0.4128

■ 30.7793, 0.2578,
0.3896

■ 29.4265, 0.2526,
0.4243

■ 31.5573, 0.2633,
0.3783

■ 29.2682, 0.2534,
0.4322

■ 32.5244, 0.2704,
0.3675

■ 33.6931, 0.2788,
0.3574

■ 35.0750, 0.2883,
0.3479

■ 36.6808, 0.2985,
0.3392

■ 38.5203, 0.3092,
0.3313

■ 40.6029, 0.3202,
0.3242

■ 42.9375, 0.3313,
0.3179

Harmonies

Analogous

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



30.1749, 0.3187, 0.4514



30.1749, 0.2541, 0.4011



30.1749, 0.2085, 0.3271

Triad

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



30.1749, 0.2541, 0.4011



30.1749, 0.2346, 0.2214



30.1749, 0.4528, 0.3684

Complementary

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



30.1749, 0.2541, 0.4011



10.8302, 0.4810, 0.2793

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.



30.1749, 0.4271, 0.3159



30.1749, 0.2541, 0.4011



30.1749, 0.2937, 0.2358

Square

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



30.1749, 0.2541, 0.4011



30.1749, 0.1993, 0.2299



30.1749, 0.3658, 0.2692



30.1749, 0.4354, 0.4188

Rectangle

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



30.1749, 0.2541, 0.4011



30.1749, 0.1931, 0.2830



30.1749, 0.3658, 0.2692



30.1749, 0.4491, 0.3507

Sweetspot

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



30.1761, 0.2541, 0.4011



63.8623, 0.2890, 0.3472



30.0789, 0.3264, 0.5415



13.7685, 0.2865, 0.3496



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.



30.1761, 0.2541, 0.4011



53.5702, 0.2523, 0.4202



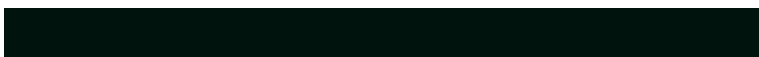
23.7773, 0.2216, 0.2872



8.4920, 0.3026, 0.3361



22.1118, 0.2531, 0.4310



0.5465, 0.2425, 0.3931

Inverse Universe

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



10.8302, 0.4810, 0.2793



16.5305, 0.5386, 0.2839



12.5993, 0.5303, 0.3579



7.5791, 0.3239, 0.3220



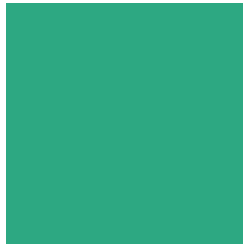
6.4814, 0.5687, 0.2907



0.1668, 0.4775, 0.2404

Previews

White Background



This preview shows how the Yxy color 30.1749, 0.2541, 0.4011 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 30.1749, 0.2541, 0.4011 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 30.1749, 0.2541, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 30.1749, 0.2541, 0.4011.



This preview shows how white text looks on a background with the Yxy color 30.1749, 0.2541, 0.4011.

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

30.1749, 0.2541, 0.4011

Protanopia

29.7040, 0.3502, 0.3731

Deuteranopia

29.6097, 0.3472, 0.3412



Tritanopia

30.1291, 0.2338, 0.3066

Trichromacy



Original Color

30.1749, 0.2541, 0.4011



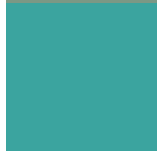
Protanomaly

28.6109, 0.3025, 0.3837



Deuteranomaly

28.3609, 0.3014, 0.3617



Tritanomaly

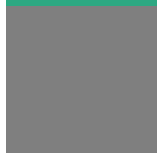
29.9839, 0.2403, 0.3377

Monochromacy



Original Color

30.1749, 0.2541, 0.4011



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.4459, 0.2806, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1749, 0.2541, 0.4011 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(45, 168, 130)` looks like.

```
.text, #text, p{  
  color:rgb(45, 168, 130)  
}
```

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(45, 168, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 168, 130) }
```

Border

The CSS property to change the border of an element to Yxy 30.1749, 0.2541, 0.4011 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(45, 168, 130) }
```

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

```
.border{ border-color:rgb(45, 168, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 168, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 168, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 168, 130);  
box-shadow:4px 4px 4px 4px rgb(45, 168,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 30.1749, 0.2541, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 168, 130) }
```

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

```
.background{ background-color: rgb(45, 168,  
130) }
```

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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