

Converting Colors

$Yxy(30.0886, 0.2725, 0.4763)$

Have a look what the booklet for
Yxy(30.0886, 0.2725, 0.4763)
contains.

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Color

Yxy(29.9341, 0.2721, 0.4750)

Conversions

Conversions Part 1

Format	Color
Hex	22AA60
RGB	34, 170, 96
RGB Percent	13%, 67%, 38%
CMY	0.8663, 0.3333, 0.6236
CMYK	0.80, 0.00, 0.44, 0.33
HSL	147°, 67%, 40%
HSV	147°, 80%, 67%
XYZ	17.1475, 29.9341, 15.9375
YIQ	120.9000, -57.3020, -51.8460

Conversions

Conversions Part 2

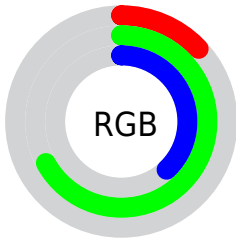
Format	Color
RYB	34, 127, 170
Decimal	2271840
CIELab	61.60, -51.95, 28.39
CIELCh	62, 59.196, 151.345
Yxy	29.9341, 0.2721, 0.4750
Android (android.graphics.Color)	4280461920 (0xFF22AA60)
YUV	120.9000, -12.2757, -76.2113
Hunter-Lab	54.7121, -39.8018, 21.0274

Details

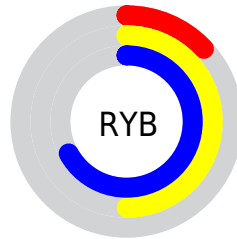
The Yxy color **29.9341, 0.2721, 0.4750** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.7803, 0.4328, 0.2349**, and the grayscale version is **19.1496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3241, 0.2825, 0.4417**, and **12.7042, 0.2781, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **29.5531, 0.2734, 0.4952**, and if you desaturate by 10%, it is **30.4805, 0.2727, 0.4540**.

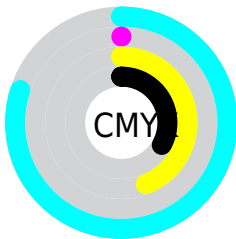
Distribution



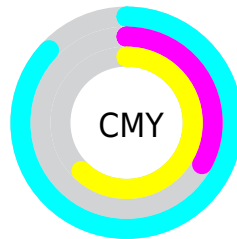
- Red (13%)
- Green (67%)
- Blue (38%)



- Red (13%)
- Yellow (50%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (44%)
- Black (33%)





- Cyan (87%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9341, 0.2721, 0.4750 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 29.9341, 0.2721, 0.4750 by changing the saturation by 10% instead.


 29.9341, 0.2721,
0.4750


 29.9341, 0.2721,
0.4750


301.5972, 0.2970,
0.3909


 19.7886, 0.2639,
0.5003


 59.5579, 0.2825,
0.4414


 12.2415, 0.2518,
0.5357


 79.8051, 0.2860,
0.4297


 6.9083, 0.2328,
0.5880


 104.1881, 0.2888,
0.4202

 3.4048, 0.2015,
0.6757

 133.0916, 0.2910,
0.4123

 1.3466, 0.0000,
1.0000

 166.8999, 0.2929,
0.4057

 0.1768, 0.0000,
1.0000

 205.9973, 0.2945,

 0.0000, 0.0000,

0.4000

0.0000

250.7682, 0.2958,
0.3952

■ 29.9341, 0.2721,
0.4750

■ 29.9341, 0.2721,
0.4750

■ 29.5531, 0.2734,
0.4952

■ 30.4805, 0.2727,
0.4540

■ 29.2925, 0.2762,
0.5143

■ 31.2080, 0.2751,
0.4329

■ 29.2911, 0.2762,
0.5144

■ 32.1342, 0.2791,
0.4123

■ 33.2735, 0.2845,
0.3927

■ 34.6392, 0.2908,
0.3745

■ 36.2431, 0.2978,
0.3577

■ 38.0965, 0.3052,
0.3425

■ 40.2099, 0.3128,
0.3289

■ 42.5929, 0.3203,
0.3169

Harmonies

Analogous

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



29.9341, 0.3605, 0.5067



29.9341, 0.2721, 0.4750



29.9341, 0.1998, 0.3769

Triad

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



29.9341, 0.2721, 0.4750



29.9341, 0.1840, 0.1912



29.9341, 0.4920, 0.3394

Complementary

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



29.9341, 0.2721, 0.4750



10.7803, 0.4328, 0.2349

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.



29.9341, 0.4299, 0.2774



29.9341, 0.2721, 0.4750



29.9341, 0.2434, 0.1966

Square

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



29.9341, 0.2721, 0.4750



29.9341, 0.1569, 0.2154



29.9341, 0.3327, 0.2270



29.9341, 0.4928, 0.4060

Rectangle

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



29.9341, 0.2721, 0.4750



29.9341, 0.1699, 0.3070



29.9341, 0.3327, 0.2270



29.9341, 0.4776, 0.3179

Sweetspot

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



29.9353, 0.2721, 0.4750



64.3982, 0.2946, 0.3650



32.1065, 0.3511, 0.5381



14.1401, 0.2922, 0.3709



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.9353, 0.2721, 0.4750



53.2581, 0.2757, 0.5101



31.7426, 0.2326, 0.3408



8.4624, 0.3057, 0.3416



21.5580, 0.2757, 0.5124



0.5349, 0.2575, 0.4469

Inverse Universe

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



10.7803, 0.4328, 0.2349



17.1755, 0.4709, 0.2388



9.8547, 0.5760, 0.3234



7.6081, 0.3204, 0.3168



6.8738, 0.4738, 0.2384



0.1774, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 29.9341, 0.2721, 0.4750 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 29.9341, 0.2721, 0.4750 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 29.9341, 0.2721, 0.4750

Background



This preview shows how black text looks on a background with the Yxy color 29.9341, 0.2721, 0.4750.



This preview shows how white text looks on a background with the Yxy color 29.9341, 0.2721, 0.4750.

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

29.9341, 0.2721, 0.4750

Protanopia

29.5493, 0.3885, 0.4219

Deuteranopia

29.2591, 0.3929, 0.3848



Tritanopia

29.8478, 0.2353, 0.3066

Trichromacy



Original Color

29.9341, 0.2721, 0.4750



Protanomaly

28.1600, 0.3304, 0.4472



Deuteranomaly

27.6617, 0.3322, 0.4207



Tritanomaly

29.4961, 0.2473, 0.3620

Monochromacy



Original Color

29.9341, 0.2721, 0.4750



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.7589, 0.2870, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9341, 0.2721, 0.4750 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(34, 170, 96)` looks like.

```
.text, #text, p{  
    color:rgb(34, 170, 96)  
}
```

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(34, 170, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 170, 96) }
```

Border

The CSS property to change the border of an element to Yxy 29.9341, 0.2721, 0.4750 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(34, 170, 96) }
```

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

```
.border{ border-color:rgb(34, 170, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 170, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 170, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 170, 96);  
box-shadow:4px 4px 4px 4px rgb(34, 170,  
96) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9341, 0.2721, 0.4750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 170, 96) }
```

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

```
.background{ background-color: rgb(34, 170,  
96) }
```

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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