

Converting Colors

$Yxy(27.6938, 0.2733, 0.4824)$

Have a look what the booklet for
Yxy(27.6938, 0.2733, 0.4824)
contains.

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Color

Yxy(27.5482, 0.2734, 0.4824)

Conversions

Conversions Part 1

Format	Color
Hex	1EA459
RGB	30, 164, 89
RGB Percent	12%, 64%, 35%
CMY	0.8825, 0.3568, 0.6510
CMYK	0.82, 0.00, 0.46, 0.36
HSL	146°, 69%, 38%
HSV	146°, 82%, 64%
XYZ	15.6129, 27.5482, 13.9454
YIQ	115.3840, -55.7890, -51.7330

Conversions

Conversions Part 2

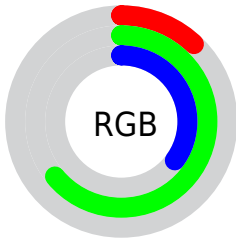
Format	Color
R_{YB}	30, 123, 164
Decimal	2008153
CIE _{Lab}	59.48, -51.50, 29.32
CIE _{LCh}	59, 59.266, 150.348
Yxy	27.5482, 0.2734, 0.4824
Android (android.graphics.Color)	4280198233 (0xFF1EA459)
YUV	115.3840, -13.0073, -74.8818
Hunter-Lab	52.4864, -38.7534, 20.9874

Details

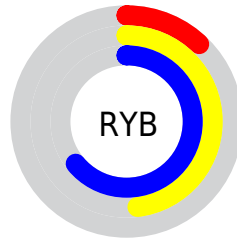
The Yxy color **27.5482, 0.2734, 0.4824** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.8383, 0.4316, 0.2318**, and the grayscale version is **17.3165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7325, 0.2840, 0.4462**, and **11.5290, 0.2815, 0.5334** is the 20% darker color. If you saturate the color by 10%, you get **27.2191, 0.2751, 0.5028**, and if you desaturate by 10%, it is **28.0270, 0.2736, 0.4610**.

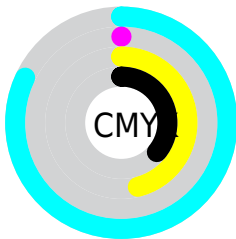
Distribution



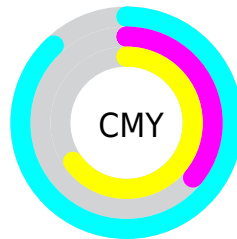
- Red (12%)
- Green (64%)
- Blue (35%)



- Red (12%)
- Yellow (48%)
- Blue (64%)



- Cyan (82%)
- Magenta (0%)
- Yellow (46%)
- Black (36%)




- Cyan (88%)
- Magenta (36%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5482, 0.2734, 0.4824 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 27.5482, 0.2734, 0.4824 by changing the saturation by 10% instead.


 27.5482, 0.2734,
0.4824


 27.5482, 0.2734,
0.4824


290.3017, 0.2982,
0.3928

 17.9854, 0.2648,
0.5099


 55.7623, 0.2840,
0.4462

 10.9395, 0.2519,
0.5488


 75.1824, 0.2875,
0.4338

 6.0262, 0.2311,
0.6068

 98.6570, 0.2902,
0.4237


 2.8610, 0.2005,
0.7241

 126.5705, 0.2924,
0.4154

 1.0596, 0.0000,
1.0000

 159.3073, 0.2942,
0.4084

 0.0000, 0.0000,
0.0000

 197.2519, 0.2958,

0.4024

240.7885, 0.2971,
0.3973

■ 27.5482, 0.2734,
0.4824

■ 27.5482, 0.2734,
0.4824

■ 27.2191, 0.2751,
0.5028

■ 28.0270, 0.2736,
0.4610

■ 27.0238, 0.2774,
0.5186

■ 28.6704, 0.2756,
0.4394

■ 29.4949, 0.2793,
0.4182

■ 30.5142, 0.2842,
0.3979

■ 31.7405, 0.2903,
0.3788

■ 33.1850, 0.2970,
0.3614

■ 34.8581, 0.3041,
0.3455

■ 36.7694, 0.3114,
0.3313

■ 38.9282, 0.3188,
0.3187

Harmonies

Analogous

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



27.5482, 0.3639, 0.5115



27.5482, 0.2734, 0.4824



27.5482, 0.1986, 0.3820

Triad

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



27.5482, 0.2734, 0.4824



27.5482, 0.1796, 0.1883



27.5482, 0.4960, 0.3367

Complementary

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



27.5482, 0.2734, 0.4824



9.8383, 0.4316, 0.2318

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.



27.5482, 0.4302, 0.2740



27.5482, 0.2734, 0.4824



27.5482, 0.2389, 0.1930

Square

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



27.5482, 0.2734, 0.4824



27.5482, 0.1531, 0.2138



27.5482, 0.3297, 0.2232



27.5482, 0.4982, 0.4046

Rectangle

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



27.5482, 0.2734, 0.4824



27.5482, 0.1675, 0.3092



27.5482, 0.3297, 0.2232



27.5482, 0.4805, 0.3150

Sweetspot

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



27.5493, 0.2734, 0.4824



59.2059, 0.2944, 0.3677



29.7052, 0.3530, 0.5393



12.7542, 0.2922, 0.3735



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



27.5493, 0.2734, 0.4824



49.0805, 0.2776, 0.5182



29.1969, 0.2333, 0.3453



7.9445, 0.3059, 0.3418



20.7284, 0.2769, 0.5169



0.4450, 0.2569, 0.4450

Inverse Universe

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



9.8383, 0.4316, 0.2318



15.8178, 0.4685, 0.2365



8.9650, 0.5786, 0.3214



7.1492, 0.3202, 0.3165



6.6506, 0.4674, 0.2348



0.1490, 0.4018, 0.1987

Previews

White Background



This preview shows how the Yxy color 27.5482, 0.2734, 0.4824 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 27.5482, 0.2734, 0.4824 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 27.5482, 0.2734, 0.4824

Background



This preview shows how black text looks on a background with the Yxy color 27.5482, 0.2734, 0.4824.



This preview shows how white text looks on a background with the Yxy color 27.5482, 0.2734, 0.4824.

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

27.5482, 0.2734, 0.4824

Protanopia

27.0080, 0.3912, 0.4249

Deuteranopia

26.9989, 0.3966, 0.3895



Tritanopia

27.4631, 0.2350, 0.3058

Trichromacy



Original Color

27.5482, 0.2734, 0.4824



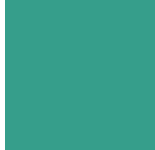
Protanomaly

25.7678, 0.3318, 0.4515



Deuteranomaly

25.2700, 0.3348, 0.4260



Tritanomaly

27.1021, 0.2481, 0.3653

Monochromacy



Original Color

27.5482, 0.2734, 0.4824



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.7005, 0.2871, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5482, 0.2734, 0.4824 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(30, 164, 89)` looks like.

```
.text, #text, p{  
    color:rgb(30, 164, 89)  
}
```

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(30, 164, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 164, 89) }
```

Border

The CSS property to change the border of an element to Yxy 27.5482, 0.2734, 0.4824 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(30, 164, 89) }
```

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

```
.border{ border-color:rgb(30, 164, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 164, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 164, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 164, 89);  
box-shadow:4px 4px 4px 4px rgb(30, 164,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5482, 0.2734, 0.4824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 164, 89) }
```

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

```
.background{ background-color: rgb(30, 164,  
89) }
```

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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