

Converting Colors

$Yxy(28.6141, 0.2690, 0.4758)$

Have a look what the booklet for
Yxy(28.6141, 0.2690, 0.4758)
contains.

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Color

Yxy(28.6162, 0.2693, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	16A75E
RGB	22, 167, 94
RGB Percent	9%, 65%, 37%
CMY	0.9137, 0.3451, 0.6314
CMYK	0.87, 0.00, 0.44, 0.35
HSL	150°, 77%, 37%
HSV	150°, 87%, 65%
XYZ	16.1694, 28.6162, 15.2568
YIQ	115.3230, -62.9870, -53.4430

Conversions

Conversions Part 2

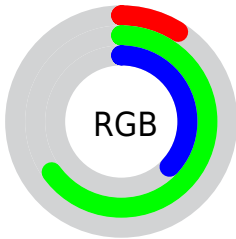
Format	Color
R_{YB}	22, 119, 167
Decimal	1484638
CIE Lab	60.44, -52.44, 27.92
CIE LCh	60, 59.408, 151.972
Yxy	28.6162, 0.2693, 0.4766
Android (android.graphics.Color)	4279674718 (0xFF16A75E)
YUV	115.3230, -10.5122, -81.8443
Hunter-Lab	53.4941, -39.6603, 20.5361

Details

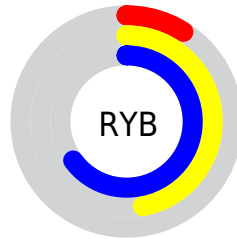
The Yxy color **28.6162, 0.2693, 0.4766** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.6168, 0.4615, 0.2426**, and the grayscale version is **17.2953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3065, 0.2803, 0.4423**, and **12.2319, 0.2789, 0.5240** is the 20% darker color. If you saturate the color by 10%, you get **28.3381, 0.2716, 0.4950**, and if you desaturate by 10%, it is **29.0316, 0.2688, 0.4574**.

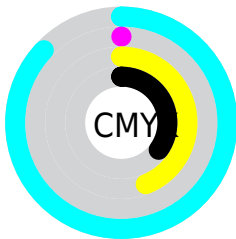
Distribution



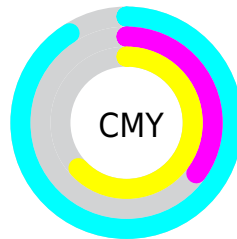
- Red (9%)
- Green (65%)
- Blue (37%)



- Red (9%)
- Yellow (47%)
- Blue (65%)



- Cyan (87%)
- Magenta (0%)
- Yellow (44%)
- Black (35%)





- Cyan (91%)
- Magenta (35%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6162, 0.2693, 0.4766 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 28.6162, 0.2693, 0.4766 by changing the saturation by 10% instead.


 28.6162, 0.2693,
0.4766


 28.6162, 0.2693,
0.4766


295.3998, 0.2959,
0.3909

 18.7907, 0.2605,
0.5027


 57.4667, 0.2804,
0.4422

 11.5191, 0.2475,
0.5395


 77.2605, 0.2841,
0.4303


 6.4171, 0.2270,
0.5942


 101.1459, 0.2871,
0.4206

 3.1004, 0.1943,
0.6915

 129.5072, 0.2895,
0.4126

 1.1843, 0.0000,
1.0000

 162.7288, 0.2915,
0.4059

 0.0489, 0.0000,
1.0000

 201.1952, 0.2932,

 0.0000, 0.0000,

0.4002

0.0000

245.2907, 0.2947,
0.3952

■ 28.6162, 0.2693,
0.4766

■ 28.6162, 0.2693,
0.4766

■ 28.3381, 0.2716,
0.4950

■ 29.0316, 0.2688,
0.4574

■ 28.2618, 0.2724,
0.5007

■ 29.6060, 0.2703,
0.4379

■ 30.3578, 0.2736,
0.4185

■ 31.3019, 0.2784,
0.3999

■ 32.4516, 0.2845,
0.3822

■ 33.8191, 0.2915,
0.3659

■ 35.4153, 0.2991,
0.3509

■ 37.2506, 0.3071,
0.3374

■ 39.3348, 0.3153,
0.3253

Harmonies

Analogous

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



28.6162, 0.3589, 0.5102



28.6162, 0.2693, 0.4766



28.6162, 0.1966, 0.3754

Triad

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



28.6162, 0.2693, 0.4766



28.6162, 0.1830, 0.1890



28.6162, 0.4960, 0.3405

Complementary

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



28.6162, 0.2693, 0.4766



9.6168, 0.4615, 0.2426

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.



28.6162, 0.4338, 0.2777



28.6162, 0.2693, 0.4766



28.6162, 0.2438, 0.1951

Square

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



28.6162, 0.2693, 0.4766



28.6162, 0.1550, 0.2126



28.6162, 0.3351, 0.2263



28.6162, 0.4950, 0.4080

Rectangle

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



28.6162, 0.2693, 0.4766



28.6162, 0.1670, 0.3042



28.6162, 0.3351, 0.2263



28.6162, 0.4818, 0.3188

Sweetspot

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



28.6174, 0.2693, 0.4766



60.6581, 0.2917, 0.3653



30.2339, 0.3451, 0.5525



13.3811, 0.2893, 0.3706



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.



28.6174, 0.2693, 0.4766



50.5710, 0.2733, 0.5037



30.5111, 0.2282, 0.3331



8.4675, 0.3051, 0.3406



21.6351, 0.2719, 0.4990



0.5367, 0.2548, 0.4373

Inverse Universe

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



9.6168, 0.4615, 0.2426



15.8209, 0.4966, 0.2509



8.8578, 0.6075, 0.3283



7.6030, 0.3210, 0.3177



6.7875, 0.4908, 0.2477



0.1755, 0.4209, 0.2092

Previews

White Background



This preview shows how the Yxy color 28.6162, 0.2693, 0.4766 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 28.6162, 0.2693, 0.4766 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 28.6162, 0.2693, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 28.6162, 0.2693, 0.4766.



This preview shows how white text looks on a background with the Yxy color 28.6162, 0.2693, 0.4766.

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

28.6162, 0.2693, 0.4766

Protanopia

28.1918, 0.3868, 0.4209

Deuteranopia

27.8872, 0.3922, 0.3845



Tritanopia

28.5178, 0.2335, 0.3061

Trichromacy



Original Color

28.6162, 0.2693, 0.4766



Protanomaly

26.7549, 0.3259, 0.4471



Deuteranomaly

26.1586, 0.3273, 0.4220



Tritanomaly

28.1259, 0.2447, 0.3629

Monochromacy



Original Color

28.6162, 0.2693, 0.4766



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.8611, 0.2835, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6162, 0.2693, 0.4766 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(22, 167, 94)` looks like.

```
.text, #text, p{  
    color:rgb(22, 167, 94)  
}
```

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(22, 167, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 167, 94) }
```

Border

The CSS property to change the border of an element to Yxy 28.6162, 0.2693, 0.4766 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(22, 167, 94) }
```

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

```
.border{ border-color:rgb(22, 167, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 167, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 167, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 167, 94);  
box-shadow:4px 4px 4px 4px rgb(22, 167,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6162, 0.2693, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 167, 94) }
```

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

```
.background{ background-color: rgb(22, 167,  
94) }
```

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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