

Converting Colors

$Y_{xy}(28.1616, 0.2961, 0.4111)$

Have a look what the booklet for
Yxy(28.1616, 0.2961, 0.4111)
contains.

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Color

$\text{Yxy}(28.2986, 0.2964, 0.4121)$

Conversions

Conversions Part 1

Format	Color
Hex	639E71
RGB	99, 158, 113
RGB Percent	39%, 62%, 44%
CMY	0.6118, 0.3804, 0.5568
CMYK	0.37, 0.00, 0.28, 0.38
HSL	134°, 23%, 50%
HSV	134°, 37%, 62%
XYZ	20.3536, 28.2986, 20.0171
YIQ	135.2290, -20.7190, -26.5030

Conversions

Conversions Part 2

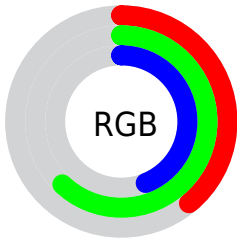
Format	Color
R_{YB}	99, 147, 158
Decimal	6528625
CIE _{Lab}	60.16, -29.13, 17.58
CIE _{LCh}	60, 34.024, 148.881
Yxy	28.2986, 0.2964, 0.4121
Android (android.graphics.Color)	4284718705 (0xFF639E71)
YUV	135.2290, -10.9589, -31.7728
Hunter-Lab	53.1964, -24.7976, 14.9275

Details

The Yxy color $28.2986, 0.2964, 0.4121$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.2057, 0.3349, 0.2584$, and the grayscale version is $24.3660, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9805, 0.3006, 0.3935$, and $11.3181, 0.2880, 0.4448$ is the 20% darker color. If you saturate the color by 10%, you get $27.2416, 0.2929, 0.4393$, and if you desaturate by 10%, it is $29.5681, 0.3005, 0.3867$.

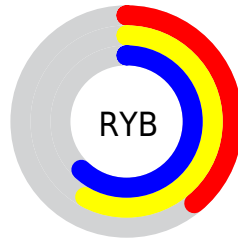
Distribution



Red (39%)

Green (62%)

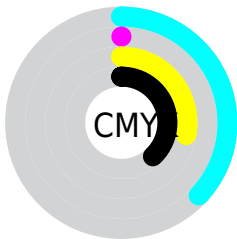
Blue (44%)



Red (39%)

Yellow (58%)

Blue (62%)

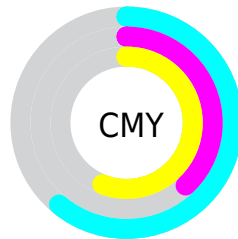


Cyan (37%)

Magenta (0%)

Yellow (28%)

Black (38%)



Cyan (61%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2986, 0.2964, 0.4121 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 28.2986, 0.2964, 0.4121 by changing the saturation by 10% instead.


 28.2986, 0.2964,
0.4121


 28.2986, 0.2964,
0.4121


293.8910, 0.3063,
0.3650

 18.5509, 0.2931,
0.4261


 56.9608, 0.3005,
0.3934

 11.3462, 0.2883,
0.4457


 76.6441, 0.3019,
0.3869

 6.3002, 0.2807,
0.4748


 100.4080, 0.3030,
0.3816

 3.0285, 0.2670,
0.5225

 128.6370, 0.3039,
0.3772

 1.1466, 0.2378,
0.7622

161.7153, 0.3047,
0.3734

 0.0174, 0.0000,
1.0000

200.0275, 0.3053,

 0.0000, 0.0000,

0.3702

0.0000

243.9580, 0.3058,
0.3674

■ 28.2986, 0.2964,
0.4121

■ 28.2986, 0.2964,
0.4121

■ 27.2416, 0.2929,
0.4393

■ 29.5681, 0.3005,
0.3867

■ 26.3820, 0.2902,
0.4676

■ 31.0572, 0.3049,
0.3635

■ 25.7081, 0.2885,
0.4959

■ 32.7771, 0.3094,
0.3427

■ 25.2057, 0.2883,
0.5228


■ 34.7372, 0.3139,
0.3243

■ 24.8584, 0.2893,
0.5468

■ 36.9462, 0.3183,
0.3082

 24.6400, 0.2915,
0.5667

 39.4126, 0.3224,
0.2941

 24.5916, 0.2920,
0.5714

 42.1444, 0.3264,
0.2818

 45.1491, 0.3301,
0.2712

 48.4341, 0.3335,
0.2619

Harmonies

Analogous

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



28.2986, 0.3515, 0.4314



28.2986, 0.2964, 0.4121



28.2986, 0.2483, 0.3627

Triad

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



28.2986, 0.2964, 0.4121



28.2986, 0.2294, 0.2428



28.2986, 0.4164, 0.3376

Complementary

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



28.2986, 0.2964, 0.4121



18.2057, 0.3349, 0.2584

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.



28.2986, 0.3777, 0.2956



28.2986, 0.2964, 0.4121



28.2986, 0.2677, 0.2432

Square

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



28.2986, 0.2964, 0.4121



28.2986, 0.2125, 0.2637



28.2986, 0.3216, 0.2622



28.2986, 0.4235, 0.3810

Rectangle

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



28.2986, 0.2964, 0.4121



28.2986, 0.2261, 0.3243



28.2986, 0.3216, 0.2622



28.2986, 0.4065, 0.3230

Sweetspot

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



28.2998, 0.2964, 0.4121



58.2612, 0.3077, 0.3505



31.3059, 0.3526, 0.4242



13.0453, 0.3071, 0.3531



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.2998, 0.2964, 0.4121



49.7274, 0.2933, 0.4353



29.0682, 0.2734, 0.3568



7.4256, 0.3085, 0.3465



19.7000, 0.2917, 0.5700



0.3582, 0.2722, 0.4999

Inverse Universe

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



18.2057, 0.3349, 0.2584



28.6260, 0.3416, 0.2428



17.4243, 0.3769, 0.3034



6.7276, 0.3172, 0.3121



6.9231, 0.3902, 0.1923



0.1298, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 28.2986, 0.2964, 0.4121 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 28.2986, 0.2964, 0.4121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

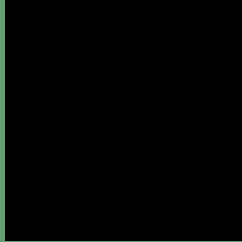
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.2986, 0.2964, 0.4121

Background



This preview shows how black text looks on a background with the Yxy color 28.2986, 0.2964, 0.4121.



This preview shows how white text looks on a background with the Yxy color 28.2986, 0.2964, 0.4121.

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

28.2986, 0.2964, 0.4121

Protanopia

27.9766, 0.3629, 0.3883

Deuteranopia

28.0744, 0.3694, 0.3627



Tritanopia

28.1286, 0.2642, 0.3071

Trichromacy



Original Color

28.2986, 0.2964, 0.4121

Protanomaly

27.7499, 0.3365, 0.3974

Deuteranomaly

27.6584, 0.3393, 0.3790

Tritanomaly

28.2197, 0.2762, 0.3447

Monochromacy



Original Color

28.2986, 0.2964, 0.4121

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3148, 0.3061, 0.3575

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2986, 0.2964, 0.4121 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(99, 158, 113)` looks like.

```
.text, #text, p{  
    color:rgb(99, 158, 113)  
}
```

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(99, 158, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 158, 113) }
```

Border

The CSS property to change the border of an element to Yxy 28.2986, 0.2964, 0.4121 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(99, 158, 113) }
```

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

```
.border{ border-color:rgb(99, 158, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 158, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 158, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 158, 113);  
box-shadow:4px 4px 4px 4px rgb(99, 158,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2986, 0.2964, 0.4121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 158, 113) }
```

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

```
.background{ background-color: rgb(99, 158,  
113) }
```

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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