

Converting Colors

$Yxy(27.6646, 0.3147, 0.4320)$

Have a look what the booklet for
Yxy(27.6646, 0.3147, 0.4320)
contains.

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Color

Yxy(27.8228, 0.3143, 0.4318)

Conversions

Conversions Part 1

Format	Color
Hex	6B9C64
RGB	107, 156, 100
RGB Percent	42%, 61%, 39%
CMY	0.5804, 0.3882, 0.6078
CMYK	0.31, 0.00, 0.36, 0.39
HSL	113°, 22%, 50%
HSV	113°, 36%, 61%
XYZ	20.2518, 27.8228, 16.3599
YIQ	134.9650, -11.2280, -27.8040

Conversions

Conversions Part 2

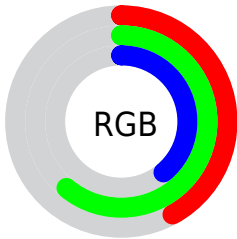
Format	Color
R_{YB}	100, 156, 149
Decimal	7052388
CIE _{Lab}	59.73, -27.78, 24.24
CIE _{LCh}	60, 36.867, 138.890
Yxy	27.8228, 0.3143, 0.4318
Android (android.graphics.Color)	4285242468 (0xFF6B9C64)
YUV	134.9650, -17.2377, -24.5253
Hunter-Lab	52.7473, -23.7747, 18.5340

Details

The Yxy color **27.8228, 0.3143, 0.4318** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.9060, 0.3079, 0.2402**, and the grayscale version is **24.2834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2965, 0.3154, 0.4093**, and **11.0184, 0.3119, 0.4735** is the 20% darker color. If you saturate the color by 10%, you get **26.7698, 0.3139, 0.4655**, and if you desaturate by 10%, it is **29.0696, 0.3142, 0.3997**.

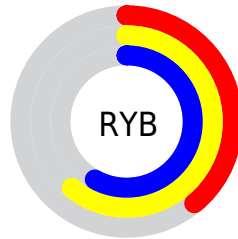
Distribution



Red (42%)

Green (61%)

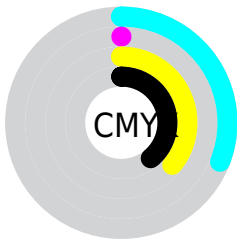
Blue (39%)



Red (39%)

Yellow (61%)

Blue (58%)

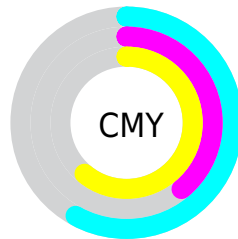


Cyan (31%)

Magenta (0%)

Yellow (36%)

Black (39%)



Cyan (58%)


Magenta (39%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8228, 0.3143, 0.4318 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 27.8228, 0.3143, 0.4318 by changing the saturation by 10% instead.


 27.8228, 0.3143,
0.4318


 27.8228, 0.3143,
0.4318


291.6192, 0.3151,
0.3734


 18.1921, 0.3133,
0.4492


 56.2014, 0.3151,
0.4086

 11.0880, 0.3112,
0.4734


 75.7181, 0.3152,
0.4005

 6.1261, 0.3068,
0.5091

 99.2990, 0.3153,
0.3939

 2.9219, 0.2978,
0.5691

 127.3284, 0.3153,
0.3884

 1.0911, 0.2405,
0.7595

160.1907, 0.3152,
0.3838

 0.0000, 0.0000,
0.0000

198.2704, 0.3152,

0.3798

241.9517, 0.3151,
0.3764

■ 27.8228, 0.3143,
0.4318

■ 27.8228, 0.3143,
0.4318

■ 26.7698, 0.3139,
0.4655

■ 29.0696, 0.3142,
0.3997

■ 25.8976, 0.3130,
0.4992

■ 30.5156, 0.3138,
0.3700

■ 25.1968, 0.3115,
0.5309


■ 32.1702, 0.3132,
0.3433


■ 24.6560, 0.3095,
0.5583


■ 34.0414, 0.3124,
0.3196

■ 24.2624, 0.3070,
0.5792


■ 36.1366, 0.3115,
0.2989


 24.0000, 0.3044,
0.5927

 38.4629, 0.3106,
0.2808

 23.9216, 0.3037,
0.5971

 41.0271, 0.3096,
0.2650

 43.8356, 0.3087,
0.2514

 46.8948, 0.3078,
0.2395

Harmonies

Analogous

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



27.8228, 0.3730, 0.4389



27.8228, 0.3143, 0.4318



27.8228, 0.2581, 0.3863

Triad

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



27.8228, 0.3143, 0.4318



27.8228, 0.2140, 0.2405



27.8228, 0.4150, 0.3220

Complementary

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



27.8228, 0.3143, 0.4318



17.9060, 0.3079, 0.2402

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.



27.8228, 0.3640, 0.2794



27.8228, 0.3143, 0.4318



27.8228, 0.2477, 0.2340

Square

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



27.8228, 0.3143, 0.4318



27.8228, 0.2040, 0.2706



27.8228, 0.3014, 0.2482



27.8228, 0.4349, 0.3691

Rectangle

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



27.8228, 0.3143, 0.4318



27.8228, 0.2295, 0.3443



27.8228, 0.3014, 0.2482



27.8228, 0.4007, 0.3069

Sweetspot

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



27.8240, 0.3143, 0.4318



56.7801, 0.3135, 0.3572



29.3372, 0.3689, 0.4056



12.4132, 0.3136, 0.3605



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.8240, 0.3143, 0.4318



48.9832, 0.3140, 0.4585



27.8569, 0.2911, 0.3942



7.4388, 0.3134, 0.3520



19.7119, 0.3040, 0.5969



0.3625, 0.3205, 0.5838

Inverse Universe

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



17.9060, 0.3079, 0.2402



28.2586, 0.3062, 0.2208



17.9458, 0.3436, 0.2720



6.7125, 0.3118, 0.3068



6.3347, 0.2902, 0.1373



0.1239, 0.3034, 0.1445

Previews

White Background



This preview shows how the Yxy color 27.8228, 0.3143, 0.4318 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 27.8228, 0.3143, 0.4318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

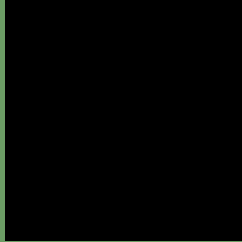
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8228, 0.3143, 0.4318

Background



This preview shows how black text looks on a background with the Yxy color 27.8228, 0.3143, 0.4318.



This preview shows how white text looks on a background with the Yxy color 27.8228, 0.3143, 0.4318.

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

27.8228, 0.3143, 0.4318

Protanopia

27.5391, 0.3768, 0.4054

Deuteranopia

27.4368, 0.3872, 0.3791



Tritanopia

27.8845, 0.2736, 0.3105

Trichromacy



Original Color

27.8228, 0.3143, 0.4318

Protanomaly

27.4462, 0.3516, 0.4155

Deuteranomaly

27.1288, 0.3577, 0.3968

Tritanomaly

27.8689, 0.2886, 0.3534

Monochromacy



Original Color

27.8228, 0.3143, 0.4318

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4100, 0.3141, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8228, 0.3143, 0.4318 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(107, 156, 100)` looks like.

```
.text, #text, p{  
    color:rgb(107, 156, 100)  
}
```

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(107, 156, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 156, 100) }
```

Border

The CSS property to change the border of an element to Yxy 27.8228, 0.3143, 0.4318 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(107, 156, 100) }
```

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

```
.border{ border-color:rgb(107, 156, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 156, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 156, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 156, 100);  
box-shadow:4px 4px 4px 4px rgb(107, 156,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8228, 0.3143, 0.4318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 156, 100) }
```

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

```
.background{ background-color: rgb(107,  
156, 100) }
```

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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