

Converting Colors

$Yxy(27.8577, 0.3108, 0.4503)$

Have a look what the booklet for
Yxy(27.8577, 0.3108, 0.4503)
contains.

Yxy(27.8407, 0.3113, 0.4505)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8407, 0.3113, 0.4505)

Conversions

Conversions Part 1

Format	Color
Hex	629E5D
RGB	98, 158, 93
RGB Percent	38%, 62%, 36%
CMY	0.6158, 0.3804, 0.6352
CMYK	0.38, 0.00, 0.41, 0.38
HSL	115°, 26%, 49%
HSV	115°, 41%, 62%
XYZ	19.2382, 27.8407, 14.7207
YIQ	132.6500, -14.8950, -32.9350

Conversions

Conversions Part 2

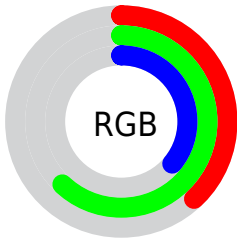
Format	Color
R_{YB}	93, 158, 153
Decimal	6463069
CIE _{Lab}	59.74, -32.91, 27.95
CIE _{LCh}	60, 43.178, 139.668
Yxy	27.8407, 0.3113, 0.4505
Android (android.graphics.Color)	4284653149 (0xFF629E5D)
YUV	132.6500, -19.5475, -30.3881
Hunter-Lab	52.7643, -27.2552, 20.3937

Details

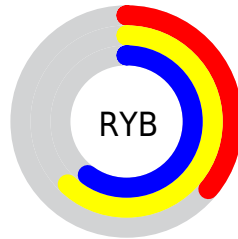
The Yxy color **27.8407, 0.3113, 0.4505** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.0794, 0.3109, 0.2285**, and the grayscale version is **23.3971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1814, 0.3132, 0.4230**, and **11.0784, 0.3057, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **26.8511, 0.3102, 0.4850**, and if you desaturate by 10%, it is **29.0386, 0.3120, 0.4169**.

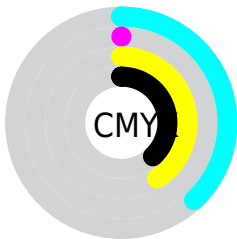
Distribution



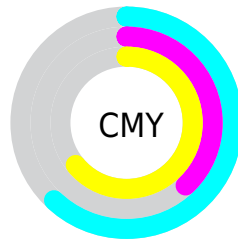
- Red (38%)
- Green (62%)
- Blue (36%)



- Red (36%)
- Yellow (62%)
- Blue (60%)



- Cyan (38%)
- Magenta (0%)
- Yellow (41%)
- Black (38%)





- Cyan (62%)
- Magenta (38%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8407, 0.3113, 0.4505 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 27.8407, 0.3113, 0.4505 by changing the saturation by 10% instead.

 27.8407, 0.3113,
0.4505


 27.8407, 0.3113,
0.4505


291.7049, 0.3143,
0.3810


 18.2056, 0.3093,
0.4713


 56.2300, 0.3132,
0.4229

 11.0977, 0.3056,
0.5002


 75.7530, 0.3137,
0.4132

 6.1326, 0.2982,
0.5427

 99.3408, 0.3139,
0.4054

 2.9259, 0.2875,
0.6219

 127.3777, 0.3141,
0.3988

 1.0932, 0.1687,
0.8313

160.2482, 0.3142,
0.3933

 0.0000, 0.0000,
0.0000

198.3367, 0.3143,

0.3886

242.0274, 0.3143,
0.3846

■ 27.8407, 0.3113,
0.4505

■ 27.8407, 0.3113,
0.4505

■ 26.8511, 0.3102,
0.4850

■ 29.0386, 0.3120,
0.4169

■ 26.0546, 0.3088,
0.5184

■ 30.4519, 0.3125,
0.3855

■ 25.4396, 0.3071,
0.5484


■ 32.0919, 0.3127,
0.3570


■ 24.9916, 0.3051,
0.5726

■ 33.9679, 0.3127,
0.3317

■ 24.6943, 0.3032,
0.5891

■ 36.0888, 0.3126,
0.3094

 24.5344, 0.3020,
0.5984

 38.4628, 0.3124,
0.2900

 41.0981, 0.3121,
0.2733

 44.0022, 0.3118,
0.2588

 47.1824, 0.3115,
0.2463

Harmonies

Analogous

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



27.8407, 0.3795, 0.4577



27.8407, 0.3113, 0.4505



27.8407, 0.2471, 0.3949

Triad

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



27.8407, 0.3113, 0.4505



27.8407, 0.2002, 0.2263



27.8407, 0.4338, 0.3209

Complementary

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



27.8407, 0.3113, 0.4505



17.0794, 0.3109, 0.2285

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.



27.8407, 0.3742, 0.2728



27.8407, 0.3113, 0.4505



27.8407, 0.2387, 0.2203

Square

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



27.8407, 0.3113, 0.4505



27.8407, 0.1881, 0.2588



27.8407, 0.3007, 0.2372



27.8407, 0.4552, 0.3743

Rectangle

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



27.8407, 0.3113, 0.4505



27.8407, 0.2151, 0.3442



27.8407, 0.3007, 0.2372



27.8407, 0.4172, 0.3039

Sweetspot

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



27.8419, 0.3113, 0.4505



57.9230, 0.3127, 0.3600



30.7094, 0.3756, 0.4209



12.9740, 0.3127, 0.3633



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.



27.8419, 0.3113, 0.4505



48.9489, 0.3104, 0.4809



28.1428, 0.2859, 0.3994



7.4240, 0.3127, 0.3520



19.6552, 0.3022, 0.5982



0.3577, 0.3128, 0.5899

Inverse Universe

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



17.0794, 0.3109, 0.2285



26.7759, 0.3100, 0.2085



16.7393, 0.3545, 0.2684



6.7289, 0.3126, 0.3069



6.8763, 0.3023, 0.1439



0.1298, 0.3103, 0.1483

Previews

White Background



This preview shows how the Yxy color 27.8407, 0.3113, 0.4505 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 27.8407, 0.3113, 0.4505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

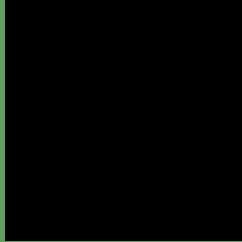
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8407, 0.3113, 0.4505

Background



This preview shows how black text looks on a background with the Yxy color 27.8407, 0.3113, 0.4505.



This preview shows how white text looks on a background with the Yxy color 27.8407, 0.3113, 0.4505.

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

27.8407, 0.3113, 0.4505

Protanopia

27.4010, 0.3848, 0.4175

Deuteranopia

27.4311, 0.3950, 0.3877



Tritanopia

27.8008, 0.2663, 0.3087

Trichromacy



Original Color

27.8407, 0.3113, 0.4505

Protanomaly

27.0520, 0.3557, 0.4299

Deuteranomaly

27.0246, 0.3608, 0.4107

Tritanomaly

27.6528, 0.2825, 0.3575

Monochromacy



Original Color

27.8407, 0.3113, 0.4505

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.6471, 0.3128, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8407, 0.3113, 0.4505 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(98, 158, 93)` looks like.

```
.text, #text, p{  
    color:rgb(98, 158, 93)  
}
```

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(98, 158, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 158, 93) }
```

Border

The CSS property to change the border of an element to Yxy 27.8407, 0.3113, 0.4505 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(98, 158, 93) }
```

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

```
.border{ border-color:rgb(98, 158, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 158, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 158, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 158, 93);  
box-shadow:4px 4px 4px 4px rgb(98, 158,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8407, 0.3113, 0.4505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 158, 93) }
```

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

```
.background{ background-color: rgb(98, 158,  
93) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor