

Converting Colors

$Y_{xy}(17.8980, 0.2954, 0.4026)$

Have a look what the booklet for
Yxy(17.8980, 0.2954, 0.4026)
contains.

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Color

$Y_{xy}(18.0403, 0.2962, 0.4042)$

Conversions

Conversions Part 1

Format	Color
Hex	52805E
RGB	82, 128, 94
RGB Percent	32%, 50%, 37%
CMY	0.6783, 0.4980, 0.6314
CMYK	0.36, 0.00, 0.27, 0.50
HSL	136°, 22%, 41%
HSV	136°, 36%, 50%
XYZ	13.2200, 18.0403, 13.3718
YIQ	110.3700, -16.5020, -20.3260

Conversions

Conversions Part 2

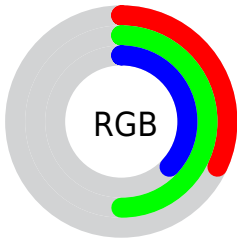
Format	Color
R_{YB}	82, 118, 128
Decimal	5406814
CIE _{Lab}	49.54, -23.46, 13.60
CIE _{LCh}	50, 27.116, 149.906
Yxy	18.0403, 0.2962, 0.4042
Android (android.graphics.Color)	4283596894 (0xFF52805E)
YUV	110.3700, -8.0704, -24.8805
Hunter-Lab	42.4739, -18.7710, 11.0658

Details

The Yxy color $18.0403, 0.2962, 0.4042$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.8887, 0.3350, 0.2642$, and the grayscale version is $15.7333, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.0479, 0.3010, 0.3860$, and $6.0023, 0.2866, 0.4391$ is the 20% darker color. If you saturate the color by 10%, you get $17.3599, 0.2924, 0.4298$, and if you desaturate by 10%, it is $18.8501, 0.3005, 0.3804$.

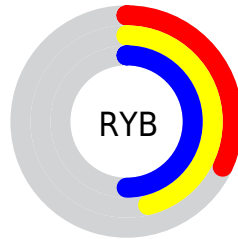
Distribution



Red (32%)

Green (50%)

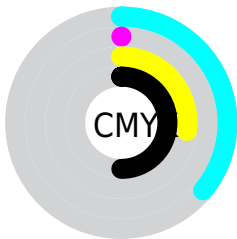
Blue (37%)



Red (32%)

Yellow (46%)

Blue (50%)

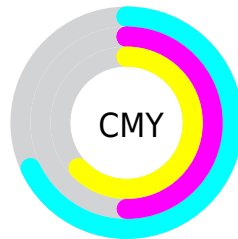


Cyan (36%)

Magenta (0%)

Yellow (27%)

Black (50%)



Cyan (68%)


Magenta (50%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0403, 0.2962, 0.4042 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 18.0403, 0.2962, 0.4042 by changing the saturation by 10% instead.


 18.0403, 0.2962,
0.4042


 18.0403, 0.2962,
0.4042


241.0981, 0.3066,
0.3590

 10.9789, 0.2924,
0.4192


 40.1060, 0.3007,
0.3854


 6.0527, 0.2865,
0.4416

 55.8791, 0.3022,
0.3791

 2.8771, 0.2762,
0.4784

 75.3249, 0.3033,
0.3741

 1.0679, 0.2540,
0.6284

 98.8278, 0.3042,
0.3699

 0.0000, 0.0000,
0.0000

 126.7721, 0.3050,
0.3665

159.5424, 0.3056,

0.3636

197.5229, 0.3062,
0.3611

■ 18.0403, 0.2962,
0.4042

■ 18.0403, 0.2962,
0.4042

■ 17.3599, 0.2924,
0.4298

■ 18.8501, 0.3005,
0.3804

■ 16.8000, 0.2893,
0.4566

■ 19.7933, 0.3052,
0.3588

■ 16.3539, 0.2874,
0.4838

■ 20.8765, 0.3099,
0.3394

■ 16.0135, 0.2866,
0.5103

■ 22.1051, 0.3146,
0.3222


■ 15.7695, 0.2874,
0.5347


■ 23.4842, 0.3192,
0.3071


 15.6067, 0.2892,
0.5559

 25.0189, 0.3236,
0.2939

 15.5499, 0.2899,
0.5636

 26.7137, 0.3278,
0.2823

 28.5731, 0.3317,
0.2722

 30.6016, 0.3354,
0.2634

Harmonies

Analogous

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



18.0403, 0.3474, 0.4235



18.0403, 0.2962, 0.4042



18.0403, 0.2517, 0.3585

Triad

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



18.0403, 0.2962, 0.4042



18.0403, 0.2360, 0.2484



18.0403, 0.4094, 0.3389

Complementary

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



18.0403, 0.2962, 0.4042



11.8887, 0.3350, 0.2642

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.



18.0403, 0.3745, 0.2993



18.0403, 0.2962, 0.4042



18.0403, 0.2725, 0.2492

Square

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



18.0403, 0.2962, 0.4042



18.0403, 0.2193, 0.2676



18.0403, 0.3230, 0.2675



18.0403, 0.4152, 0.3793

Rectangle

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



18.0403, 0.2962, 0.4042



18.0403, 0.2313, 0.3232



18.0403, 0.3230, 0.2675



18.0403, 0.4006, 0.3252

Sweetspot

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



18.0411, 0.2962, 0.4042



35.7082, 0.3074, 0.3495



19.7956, 0.3495, 0.4190



8.3113, 0.3069, 0.3517



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.0411, 0.2962, 0.4042



30.7795, 0.2931, 0.4247



18.5059, 0.2746, 0.3533



4.8357, 0.3084, 0.3454



15.4191, 0.2899, 0.5635



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.8887, 0.3350, 0.2642



18.2835, 0.3416, 0.2498



11.4265, 0.3732, 0.3064



4.3939, 0.3173, 0.3132



5.3644, 0.3971, 0.1961



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0403, 0.2962, 0.4042 looks on a white 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

Black Background



This preview shows how the Yxy color 18.0403, 0.2962, 0.4042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

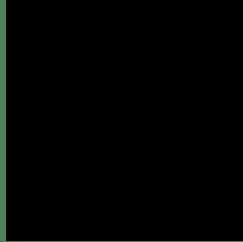
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0403, 0.2962, 0.4042

Background



This preview shows how black text looks on a background with the Yxy color 18.0403, 0.2962, 0.4042.



This preview shows how white text looks on a background with the Yxy color 18.0403, 0.2962, 0.4042.

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

18.0403, 0.2962, 0.4042

Protanopia

17.8038, 0.3579, 0.3834

Deuteranopia

17.9076, 0.3648, 0.3587



Tritanopia

18.0330, 0.2659, 0.3087

Trichromacy



Original Color

18.0403, 0.2962, 0.4042

Protanomaly

17.6813, 0.3323, 0.3909

Deuteranomaly

17.5144, 0.3366, 0.3733

Tritanomaly

18.0254, 0.2765, 0.3415

Monochromacy



Original Color

18.0403, 0.2962, 0.4042

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.4314, 0.3064, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0403, 0.2962, 0.4042 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(82, 128, 94)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 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(82, 128, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 94) }
```

Border

The CSS property to change the border of an element to Yxy 18.0403, 0.2962, 0.4042 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(82, 128, 94) }
```

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

```
.border{ border-color:rgb(82, 128, 94) }
```

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

Here you see how a box with a 4 pixel rgb(82, 128, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 94);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0403, 0.2962, 0.4042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 94) }
```

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

```
.background{ background-color: rgb(82, 128,  
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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