

Converting Colors

$Y_{xy}(17.1282, 0.2969, 0.4058)$

Have a look what the booklet for
Yxy(17.1282, 0.2969, 0.4058)
contains.

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Color

Yxy(17.1280, 0.2969, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	507D5B
RGB	80, 125, 91
RGB Percent	31%, 49%, 36%
CMY	0.6864, 0.5098, 0.6432
CMYK	0.36, 0.00, 0.27, 0.51
HSL	135°, 22%, 40%
HSV	135°, 36%, 49%
XYZ	12.5285, 17.1280, 12.5411
YIQ	107.6690, -15.9060, -20.1140

Conversions

Conversions Part 2

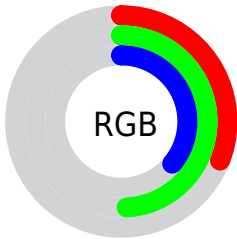
Format	Color
R_{YB}	80, 116, 125
Decimal	5274971
CIE _{Lab}	48.42, -23.21, 13.76
CIE _{LCh}	48, 26.986, 149.341
Yxy	17.1280, 0.2969, 0.4059
Android (android.graphics.Color)	4283465051 (0xFF507D5B)
YUV	107.6690, -8.2178, -24.2657
Hunter-Lab	41.3860, -18.3895, 11.0036

Details

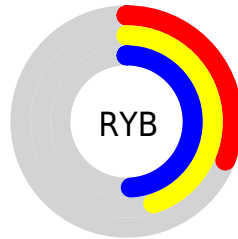
The Yxy color **17.1280, 0.2969, 0.4059** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.3094, 0.3339, 0.2629**, and the grayscale version is **14.9243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5892, 0.3017, 0.3869**, and **5.6654, 0.2876, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **16.4816, 0.2932, 0.4320**, and if you desaturate by 10%, it is **17.8976, 0.3011, 0.3817**.

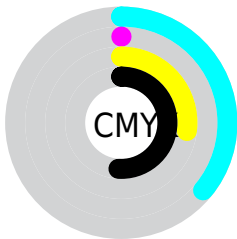
Distribution



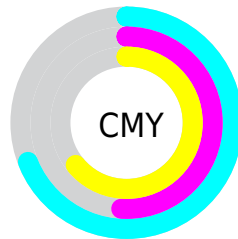
- Red (31%)
- Green (49%)
- Blue (36%)



- Red (31%)
- Yellow (45%)
- Blue (49%)



- Cyan (36%)
- Magenta (0%)
- Yellow (27%)
- Black (51%)





- Cyan (69%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1280, 0.2969, 0.4059 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 17.1280, 0.2969, 0.4059 by changing the saturation by 10% instead.


 17.1280, 0.2969,
0.4059


 17.1280, 0.2969,
0.4059


235.9089, 0.3070,
0.3593


 10.3258, 0.2931,
0.4216


 38.5457, 0.3013,
0.3864


 5.6155, 0.2872,
0.4452

 53.9300, 0.3027,
0.3799

 2.6127, 0.2764,
0.4845

 72.9438, 0.3039,
0.3747

 0.9331, 0.2447,
0.7148

 95.9715, 0.3047,
0.3705

 0.0000, 0.0000,
0.0000

 123.3974, 0.3055,
0.3670

155.6061, 0.3061,

0.3640

192.9818, 0.3066,
0.3615

■ 17.1280, 0.2969,
0.4059

■ 17.1280, 0.2969,
0.4059

■ 16.4816, 0.2932,
0.4320

■ 17.8976, 0.3011,
0.3817

■ 15.9498, 0.2903,
0.4593

■ 18.7942, 0.3055,
0.3596

■ 15.5265, 0.2884,
0.4869


■ 19.8239, 0.3100,
0.3398


■ 15.2037, 0.2877,
0.5136


■ 20.9921, 0.3145,
0.3223

■ 14.9728, 0.2884,
0.5381

■ 22.3035, 0.3188,
0.3068

 14.8185, 0.2902,
0.5591

 23.7629, 0.3230,
0.2933

 14.7657, 0.2907,
0.5666

 25.3748, 0.3269,
0.2815

 27.1433, 0.3307,
0.2713

 29.0727, 0.3341,
0.2623

Harmonies

Analogous

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



17.1280, 0.3488, 0.4248



17.1280, 0.2969, 0.4059



17.1280, 0.2517, 0.3598

Triad

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



17.1280, 0.2969, 0.4059



17.1280, 0.2346, 0.2476



17.1280, 0.4102, 0.3381

Complementary

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



17.1280, 0.2969, 0.4059



11.3094, 0.3339, 0.2629

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.



17.1280, 0.3744, 0.2982



17.1280, 0.2969, 0.4059



17.1280, 0.2711, 0.2481

Square

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



17.1280, 0.2969, 0.4059



17.1280, 0.2182, 0.2674



17.1280, 0.3221, 0.2663



17.1280, 0.4166, 0.3791

Rectangle

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



17.1280, 0.2969, 0.4059



17.1280, 0.2308, 0.3241



17.1280, 0.3221, 0.2663



17.1280, 0.4011, 0.3243

Sweetspot

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



17.1287, 0.2969, 0.4059



34.4982, 0.3076, 0.3499



18.8589, 0.3505, 0.4187



7.8026, 0.3071, 0.3521



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.1287, 0.2969, 0.4059



29.7238, 0.2939, 0.4267



17.5658, 0.2753, 0.3550



4.8347, 0.3086, 0.3457



15.4081, 0.2908, 0.5669



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.3094, 0.3339, 0.2629



17.7170, 0.3401, 0.2484



10.8671, 0.3719, 0.3049



4.3950, 0.3171, 0.3129



5.4009, 0.3917, 0.1932



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.1280, 0.2969, 0.4059 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 17.1280, 0.2969, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

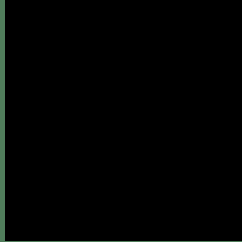
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.1280, 0.2969, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 17.1280, 0.2969, 0.4059.



This preview shows how white text looks on a background with the Yxy color 17.1280, 0.2969, 0.4059.

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

17.1280, 0.2969, 0.4059

Protanopia

16.9175, 0.3604, 0.3843

Deuteranopia

16.9466, 0.3661, 0.3593



Tritanopia

17.1194, 0.2660, 0.3083

Trichromacy



Original Color

17.1280, 0.2969, 0.4059

Protanomaly

16.7872, 0.3341, 0.3921

Deuteranomaly

16.6292, 0.3385, 0.3741

Tritanomaly

17.1113, 0.2768, 0.3418

Monochromacy



Original Color

17.1280, 0.2969, 0.4059

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.5906, 0.3063, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1280, 0.2969, 0.4059 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(80, 125, 91)` looks like.

```
.text, #text, p{  
    color:rgb(80, 125, 91)  
}
```

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(80, 125, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 91) }
```

Border

The CSS property to change the border of an element to Yxy 17.1280, 0.2969, 0.4059 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(80, 125, 91) }
```

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

```
.border{ border-color:rgb(80, 125, 91) }
```

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

Here you see how a box with a 4 pixel rgb(80, 125, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 91);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1280, 0.2969, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 125, 91) }
```

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

```
.background{ background-color: rgb(80, 125,  
91) }
```

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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