

Converting Colors

$Y_{xy}(17.3466, 0.2839, 0.4032)$

Have a look what the booklet for
Yxy(17.3466, 0.2839, 0.4032)
contains.

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Color

Yxy(17.3071, 0.2832, 0.4024)

Conversions

Conversions Part 1

Format	Color
Hex	467F5F
RGB	70, 127, 95
RGB Percent	27%, 50%, 37%
CMY	0.7255, 0.5019, 0.6275
CMYK	0.45, 0.00, 0.25, 0.50
HSL	146°, 29%, 39%
HSV	146°, 45%, 50%
XYZ	12.1803, 17.3071, 13.5222
YIQ	106.3090, -23.7000, -22.0360

Conversions

Conversions Part 2

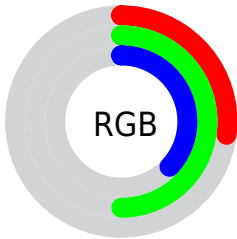
Format	Color
R_{YB}	70, 110, 127
Decimal	4620127
CIE _{Lab}	48.64, -26.56, 11.67
CIE _{LCh}	49, 29.010, 156.274
Yxy	17.3071, 0.2832, 0.4024
Android (android.graphics.Color)	4282810207 (0xFF467F5F)
YUV	106.3090, -5.5753, -31.8430
Hunter-Lab	41.6018, -20.5412, 9.8496

Details

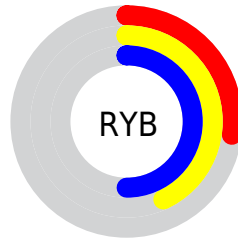
The Yxy color **17.3071, 0.2832, 0.4024** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.8525, 0.3609, 0.2665**, and the grayscale version is **14.5230, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7828, 0.2902, 0.3828**, and **5.6581, 0.2674, 0.4375** is the 20% darker color. If you saturate the color by 10%, you get **16.7606, 0.2786, 0.4226**, and if you desaturate by 10%, it is **17.9668, 0.2889, 0.3834**.

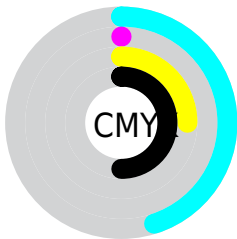
Distribution



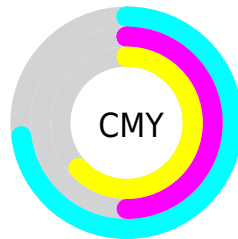
- Red (27%)
- Green (50%)
- Blue (37%)



- Red (27%)
- Yellow (43%)
- Blue (50%)



- Cyan (45%)
- Magenta (0%)
- Yellow (25%)
- Black (50%)





- Cyan (73%)
- Magenta (50%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.3071, 0.2832, 0.4024 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 17.3071, 0.2832, 0.4024 by changing the saturation by 10% instead.


 17.3071, 0.2832,
0.4024


 17.3071, 0.2832,
0.4024


236.9359, 0.3012,
0.3580


 10.4537, 0.2771,
0.4174


 38.8530, 0.2908,
0.3838


 5.7008, 0.2678,
0.4398

 54.3143, 0.2933,
0.3776


 2.6640, 0.2521,
0.4773

 73.4138, 0.2953,
0.3727

 0.9589, 0.1807,
0.6631

 96.5356, 0.2969,
0.3687

 0.0000, 0.0000,
0.0000

 124.0644, 0.2982,
0.3653

156.3845, 0.2994,

0.3625

193.8802, 0.3004,
0.3601

■ 17.3071, 0.2832,
0.4024

■ 17.3071, 0.2832,
0.4024

■ 16.7606, 0.2786,
0.4226

■ 17.9668, 0.2889,
0.3834

■ 16.3184, 0.2753,
0.4435

■ 18.7438, 0.2952,
0.3659

■ 15.9740, 0.2736,
0.4647


■ 19.6442, 0.3021,
0.3499


■ 15.7189, 0.2737,
0.4856

■ 20.6735, 0.3092,
0.3355

■ 15.5407, 0.2755,
0.5055

■ 21.8366, 0.3164,
0.3226

 15.4620, 0.2765,
0.5153

 23.1381, 0.3235,
0.3112

 24.5826, 0.3304,
0.3011

 26.1744, 0.3371,
0.2923

 27.9174, 0.3435,
0.2845

Harmonies

Analogous

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



17.3071, 0.3382, 0.4306



17.3071, 0.2832, 0.4024



17.3071, 0.2387, 0.3485

Triad

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



17.3071, 0.2832, 0.4024



17.3071, 0.2367, 0.2407



17.3071, 0.4218, 0.3485

Complementary

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



17.3071, 0.2832, 0.4024



9.8525, 0.3609, 0.2665

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.



17.3071, 0.3899, 0.3053



17.3071, 0.2832, 0.4024



17.3071, 0.2797, 0.2460

Square

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



17.3071, 0.2832, 0.4024



17.3071, 0.2142, 0.2562



17.3071, 0.3360, 0.2690



17.3071, 0.4205, 0.3912

Rectangle

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



17.3071, 0.2832, 0.4024



17.3071, 0.2201, 0.3107



17.3071, 0.3360, 0.2690



17.3071, 0.4146, 0.3337

Sweetspot

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



17.3078, 0.2832, 0.4024



35.4506, 0.3032, 0.3475



18.4643, 0.3442, 0.4473



8.2217, 0.3019, 0.3504



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.



17.3078, 0.2832, 0.4024



29.9771, 0.2784, 0.4234



17.9169, 0.2578, 0.3370



4.8476, 0.3062, 0.3414



15.5927, 0.2765, 0.5154



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8525, 0.3609, 0.2665



14.8024, 0.3774, 0.2531



9.3846, 0.4173, 0.3217



4.3815, 0.3198, 0.3170



5.0133, 0.4643, 0.2331



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.3071, 0.2832, 0.4024 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 17.3071, 0.2832, 0.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

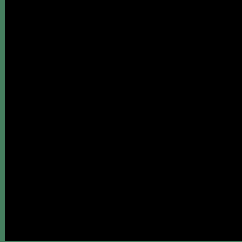
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3071, 0.2832, 0.4024

Background



This preview shows how black text looks on a background with the Yxy color 17.3071, 0.2832, 0.4024.



This preview shows how white text looks on a background with the Yxy color 17.3071, 0.2832, 0.4024.

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

17.3071, 0.2832, 0.4024

Protanopia

17.1937, 0.3561, 0.3802

Deuteranopia

17.1753, 0.3574, 0.3518



Tritanopia

17.2473, 0.2562, 0.3080

Trichromacy



Original Color

17.3071, 0.2832, 0.4024

Protanomaly

16.8920, 0.3263, 0.3884

Deuteranomaly

16.8556, 0.3251, 0.3684

Tritanomaly

17.2837, 0.2657, 0.3397

Monochromacy



Original Color

17.3071, 0.2832, 0.4024

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.3211, 0.3000, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3071, 0.2832, 0.4024 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(70, 127, 95)` looks like.

```
.text, #text, p{  
    color:rgb(70, 127, 95)  
}
```

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(70, 127, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 127, 95) }
```

Border

The CSS property to change the border of an element to Yxy 17.3071, 0.2832, 0.4024 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(70, 127, 95) }
```

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

```
.border{ border-color:rgb(70, 127, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 127, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 127, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 127, 95);  
box-shadow:4px 4px 4px 4px rgb(70, 127,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3071, 0.2832, 0.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 127, 95) }
```

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

```
.background{ background-color: rgb(70, 127,  
95) }
```

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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