

Converting Colors

$Yxy(17.5842, 0.3027, 0.4371)$

Have a look what the booklet for
Yxy(17.5842, 0.3027, 0.4371)
contains.

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Color

Yxy(17.5689, 0.3024, 0.4361)

Conversions

Conversions Part 1

Format	Color
Hex	4C8051
RGB	76, 128, 81
RGB Percent	30%, 50%, 32%
CMY	0.7021, 0.4980, 0.6823
CMYK	0.41, 0.00, 0.37, 0.50
HSL	126°, 26%, 40%
HSV	126°, 41%, 50%
XYZ	12.1826, 17.5689, 10.5349
YIQ	107.0940, -15.9050, -25.6410

Conversions

Conversions Part 2

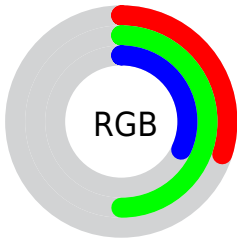
Format	Color
RYB	76, 123, 128
Decimal	5013585
CIELab	48.97, -27.94, 20.20
CIELCh	49, 34.477, 144.135
Yxy	17.5689, 0.3024, 0.4361
Android (android.graphics.Color)	4283203665 (0xFF4C8051)
YUV	107.0940, -12.8643, -27.2694
Hunter-Lab	41.9153, -21.4710, 14.4389

Details

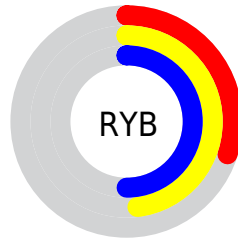
The Yxy color **17.5689, 0.3024, 0.4361** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1822, 0.3250, 0.2414**, and the grayscale version is **14.7681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.1985, 0.3058, 0.4081**, and **5.7897, 0.2935, 0.4919** is the 20% darker color. If you saturate the color by 10%, you get **16.9379, 0.3002, 0.4678**, and if you desaturate by 10%, it is **18.3353, 0.3049, 0.4058**.

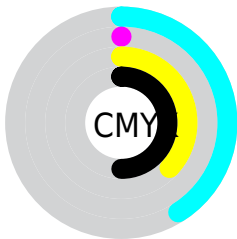
Distribution



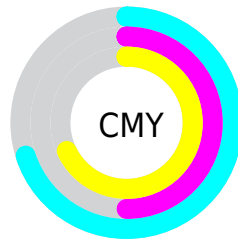
- Red (30%)
- Green (50%)
- Blue (32%)



- Red (30%)
- Yellow (48%)
- Blue (50%)



- Cyan (41%)
- Magenta (0%)
- Yellow (37%)
- Black (50%)





- Cyan (70%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.5689, 0.3024, 0.4361 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 17.5689, 0.3024, 0.4361 by changing the saturation by 10% instead.


 17.5689, 0.3024,
0.4361


 17.5689, 0.3024,
0.4361


238.4298, 0.3101,
0.3709


 10.6409, 0.2988,
0.4581


 39.3014, 0.3062,
0.4087


 5.8259, 0.2926,
0.4911

 54.8746, 0.3072,
0.3996


 2.7395, 0.2803,
0.5456

 74.0985, 0.3080,
0.3924

 0.9973, 0.2078,
0.7922

 97.3572, 0.3087,
0.3865

 0.0000, 0.0000,
0.0000

 125.0354, 0.3091,
0.3816

157.5172, 0.3095,

0.3775

195.1873, 0.3098,
0.3739

■ 17.5689, 0.3024,
0.4361

■ 17.5689, 0.3024,
0.4361

■ 16.9379, 0.3002,
0.4678

■ 18.3353, 0.3049,
0.4058

■ 16.4322, 0.2984,
0.4996

■ 19.2418, 0.3075,
0.3779

■ 16.0442, 0.2972,
0.5297


■ 20.2960, 0.3101,
0.3527


■ 15.7642, 0.2968,
0.5560


■ 21.5038, 0.3126,
0.3304


■ 15.5812, 0.2972,
0.5768


■ 22.8713, 0.3149,
0.3108

 15.4682, 0.2974,
0.5905

 24.4037, 0.3171,
0.2937

 26.1066, 0.3192,
0.2790

 27.9848, 0.3210,
0.2662

 30.0432, 0.3227,
0.2551

Harmonies

Analogous

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



17.5689, 0.3669, 0.4507



17.5689, 0.3024, 0.4361



17.5689, 0.2441, 0.3800

Triad

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



17.5689, 0.3024, 0.4361



17.5689, 0.2108, 0.2303



17.5689, 0.4310, 0.3294

Complementary

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



17.5689, 0.3024, 0.4361



11.1822, 0.3250, 0.2414

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.



17.5689, 0.3798, 0.2826



17.5689, 0.3024, 0.4361



17.5689, 0.2509, 0.2278

Square

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



17.5689, 0.3024, 0.4361



17.5689, 0.1955, 0.2575



17.5689, 0.3118, 0.2466



17.5689, 0.4451, 0.3800

Rectangle

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



17.5689, 0.3024, 0.4361



17.5689, 0.2162, 0.3331



17.5689, 0.3118, 0.2466



17.5689, 0.4173, 0.3130

Sweetspot

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



17.5696, 0.3024, 0.4361



35.4112, 0.3096, 0.3566



20.2225, 0.3652, 0.4272



8.2438, 0.3094, 0.3591



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.



17.5696, 0.3024, 0.4361



29.8710, 0.3003, 0.4661



18.0227, 0.2783, 0.3767



4.8250, 0.3105, 0.3490



15.3357, 0.2974, 0.5905



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1822, 0.3250, 0.2414



16.9679, 0.3284, 0.2225



10.6283, 0.3685, 0.2865



4.4055, 0.3151, 0.3098



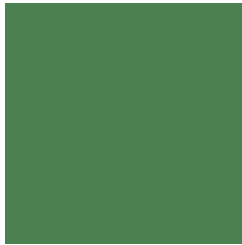
5.7914, 0.3461, 0.1680



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.5689, 0.3024, 0.4361 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 17.5689, 0.3024, 0.4361 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 17.5689, 0.3024, 0.4361

Background



This preview shows how black text looks on a background with the Yxy color 17.5689, 0.3024, 0.4361.



This preview shows how white text looks on a background with the Yxy color 17.5689, 0.3024, 0.4361.

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

17.5689, 0.3024, 0.4361

Protanopia

17.4482, 0.3761, 0.4062

Deuteranopia

17.3431, 0.3835, 0.3771



Tritanopia

17.5634, 0.2627, 0.3084

Trichromacy



Original Color

17.5689, 0.3024, 0.4361

Protanomaly

17.1711, 0.3464, 0.4166

Deuteranomaly

17.0075, 0.3502, 0.3963

Tritanomaly

17.4014, 0.2771, 0.3528

Monochromacy



Original Color

17.5689, 0.3024, 0.4361

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.6301, 0.3084, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5689, 0.3024, 0.4361 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(76, 128, 81)` looks like.

```
.text, #text, p{  
    color:rgb(76, 128, 81)  
}
```

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(76, 128, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 81) }
```

Border

The CSS property to change the border of an element to Yxy 17.5689, 0.3024, 0.4361 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(76, 128, 81) }
```

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

```
.border{ border-color:rgb(76, 128, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 128, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 81);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5689, 0.3024, 0.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 128, 81) }
```

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

```
.background{ background-color: rgb(76, 128,  
81) }
```

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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