

Converting Colors

$Y_{xy}(24.7943, 0.2809, 0.4003)$

Have a look what the booklet for
Yxy(24.7943, 0.2809, 0.4003)
contains.

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Color

Yxy(24.8214, 0.2809, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	529672
RGB	82, 150, 114
RGB Percent	32%, 59%, 45%
CMY	0.6782, 0.4118, 0.5530
CMYK	0.45, 0.00, 0.24, 0.41
HSL	148°, 29%, 46%
HSV	148°, 45%, 59%
XYZ	17.4265, 24.8214, 19.7901
YIQ	125.5640, -28.9720, -25.6120

Conversions

Conversions Part 2

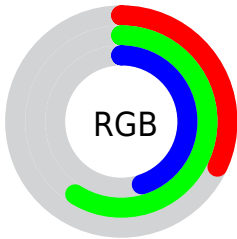
Format	Color
R_{YB}	82, 128, 150
Decimal	5412466
CIE _{Lab}	56.90, -30.18, 12.40
CIE _{LCh}	57, 32.628, 157.662
Yxy	24.8214, 0.2809, 0.4001
Android (android.graphics.Color)	4283602546 (0xFF529672)
YUV	125.5640, -5.7011, -38.2056
Hunter-Lab	49.8211, -24.7510, 11.3234

Details

The Yxy color **24.8214, 0.2809, 0.4001** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.8360, 0.3662, 0.2684**, and the grayscale version is **20.7400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5667, 0.2883, 0.3841**, and **9.5639, 0.2671, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **24.0481, 0.2761, 0.4195**, and if you desaturate by 10%, it is **25.7594, 0.2869, 0.3819**.

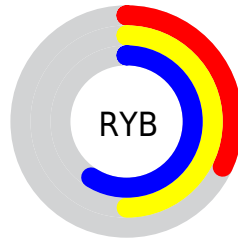
Distribution



Red (32%)

Green (59%)

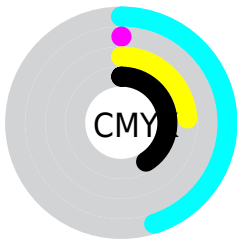
Blue (45%)



Red (32%)

Yellow (50%)

Blue (59%)

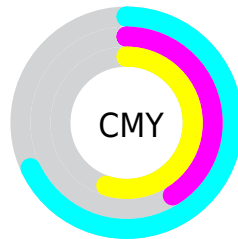


Cyan (45%)

Magenta (0%)

Yellow (24%)

Black (41%)



Cyan (68%)


Magenta (41%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8214, 0.2809, 0.4001 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 24.8214, 0.2809, 0.4001 by changing the saturation by 10% instead.


 24.8214, 0.2809,
0.4001


 24.8214, 0.2809,
0.4001


276.9473, 0.2992,
0.3592


 15.9440, 0.2753,
0.4126

 51.3673, 0.2883,
0.3837


 9.4846, 0.2672,
0.4304


 69.8047, 0.2908,
0.3780

 5.0586, 0.2549,
0.4577

 92.1975, 0.2929,
0.3734

 2.2817, 0.2338,
0.5043

 118.9302, 0.2946,
0.3696

 0.7640, 0.0000,
1.0000

 150.3871, 0.2960,
0.3664

 0.0000, 0.0000,
0.0000

186.9527, 0.2973,

0.3636

229.0113, 0.2983,
0.3613

■ 24.8214, 0.2809,
0.4001

■ 24.8214, 0.2809,
0.4001

■ 24.0481, 0.2761,
0.4195

■ 25.7594, 0.2869,
0.3819

■ 23.4266, 0.2727,
0.4396

■ 26.8684, 0.2937,
0.3650

■ 22.9464, 0.2710,
0.4599


■ 28.1578, 0.3010,
0.3496

■ 22.5948, 0.2712,
0.4800


■ 29.6356, 0.3086,
0.3357

■ 22.3547, 0.2733,
0.4991

■ 31.3091, 0.3164,
0.3234

 22.2600, 0.2744,
0.5079

 33.1854, 0.3240,
0.3124

 35.2711, 0.3315,
0.3027

 37.5727, 0.3388,
0.2942

 40.0961, 0.3458,
0.2868

Harmonies

Analogous

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



24.8214, 0.3356, 0.4298



24.8214, 0.2809, 0.4001



24.8214, 0.2373, 0.3458

Triad

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



24.8214, 0.2809, 0.4001



24.8214, 0.2384, 0.2407



24.8214, 0.4222, 0.3505

Complementary

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



24.8214, 0.2809, 0.4001



13.8360, 0.3662, 0.2684

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.



24.8214, 0.3918, 0.3072



24.8214, 0.2809, 0.4001



24.8214, 0.2822, 0.2469

Square

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



24.8214, 0.2809, 0.4001



24.8214, 0.2149, 0.2552



24.8214, 0.3387, 0.2706



24.8214, 0.4194, 0.3929

Rectangle

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



24.8214, 0.2809, 0.4001



24.8214, 0.2194, 0.3083



24.8214, 0.3387, 0.2706



24.8214, 0.4155, 0.3358

Sweetspot

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



24.8224, 0.2809, 0.4001



49.9458, 0.3018, 0.3481



26.2932, 0.3423, 0.4514



10.9625, 0.3003, 0.3510



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.8224, 0.2809, 0.4001



42.4708, 0.2762, 0.4190



25.7372, 0.2551, 0.3330



6.5111, 0.3056, 0.3410



18.4696, 0.2740, 0.5066



0.2319, 0.2517, 0.4262

Inverse Universe

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



13.8360, 0.3662, 0.2684



20.6444, 0.3834, 0.2565



13.1718, 0.4253, 0.3255



5.8637, 0.3205, 0.3173



5.8583, 0.4786, 0.2410



0.0777, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 24.8214, 0.2809, 0.4001 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 24.8214, 0.2809, 0.4001 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 24.8214, 0.2809, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 24.8214, 0.2809, 0.4001.



This preview shows how white text looks on a background with the Yxy color 24.8214, 0.2809, 0.4001.

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

24.8214, 0.2809, 0.4001

Protanopia

24.6896, 0.3544, 0.3782

Deuteranopia

24.5092, 0.3559, 0.3503



Tritanopia

24.6740, 0.2552, 0.3073

Trichromacy



Original Color

24.8214, 0.2809, 0.4001

Protanomaly

24.3131, 0.3230, 0.3856

Deuteranomaly

24.0505, 0.3232, 0.3666

Tritanomaly

24.6047, 0.2640, 0.3382

Monochromacy



Original Color

24.8214, 0.2809, 0.4001

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.0481, 0.2985, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8214, 0.2809, 0.4001 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, 150, 114)` looks like.

```
.text, #text, p{  
    color:rgb(82, 150, 114)  
}
```

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, 150, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 150, 114) }
```

Border

The CSS property to change the border of an element to Yxy 24.8214, 0.2809, 0.4001 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, 150, 114) }
```

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

```
.border{ border-color:rgb(82, 150, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 150, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 150, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 150, 114);  
box-shadow:4px 4px 4px 4px rgb(82, 150,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8214, 0.2809, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 150, 114) }
```

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

```
.background{ background-color: rgb(82, 150,  
114) }
```

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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