

Converting Colors

$Y_{xy}(24.1359, 0.3262, 0.4612)$

Have a look what the booklet for
Yxy(24.1359, 0.3262, 0.4612)
contains.

Yxy(24.1413, 0.3264, 0.4607)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1413, 0.3264, 0.4607)

Conversions

Conversions Part 1

Format	Color
Hex	64934F
RGB	100, 147, 79
RGB Percent	39%, 58%, 31%
CMY	0.6077, 0.4235, 0.6902
CMYK	0.32, 0.00, 0.46, 0.42
HSL	101°, 30%, 44%
HSV	101°, 46%, 58%
XYZ	17.1038, 24.1413, 11.1562
YIQ	125.1950, -6.1840, -31.1120

Conversions

Conversions Part 2

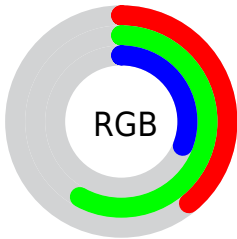
Format	Color
R_{YB}	79, 147, 126
Decimal	6591311
CIE _{Lab}	56.23, -29.05, 30.95
CIE _{LCh}	56, 42.442, 133.187
Yxy	24.1413, 0.3264, 0.4607
Android (android.graphics.Color)	4284781391 (0xFF64934F)
YUV	125.1950, -22.7741, -22.0960
Hunter-Lab	49.1338, -23.8471, 20.9314

Details

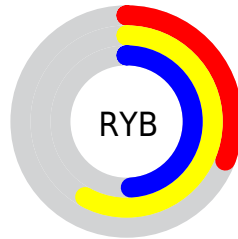
The Yxy color $24.1413, 0.3264, 0.4607$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $12.1322, 0.2880, 0.2097$, and the grayscale version is $20.6604, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.1306, 0.3259, 0.4301$, and $9.1481, 0.3247, 0.5158$ is the 20% darker color. If you saturate the color by 10%, you get $23.4078, 0.3273, 0.4920$, and if you desaturate by 10%, it is $24.9963, 0.3244, 0.4292$.

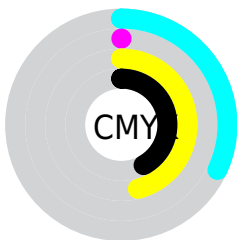
Distribution



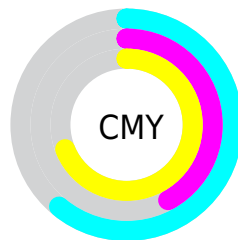
- Red (39%)
- Green (58%)
- Blue (31%)



- Red (31%)
- Yellow (58%)
- Blue (49%)



- Cyan (32%)
- Magenta (0%)
- Yellow (46%)
- Black (42%)





- Cyan (61%)
- Magenta (42%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1413, 0.3264, 0.4607 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 24.1413, 0.3264, 0.4607 by changing the saturation by 10% instead.

 24.1413, 0.3264,
0.4607


 24.1413, 0.3264,
0.4607


273.5341, 0.3215,
0.3842


 15.4385, 0.3262,
0.4840


 50.2607, 0.3255,
0.4300


 9.1277, 0.3244,
0.5166


 68.4460, 0.3248,
0.4193


 4.8246, 0.3185,
0.5646

 90.5610, 0.3242,
0.4107

 2.1447, 0.3198,
0.6802

 116.9900, 0.3236,
0.4036

 0.6896, 0.0000,
1.0000

 148.1174, 0.3230,
0.3976

 0.0000, 0.0000,
0.0000

184.3276, 0.3225,

0.3924

226.0050, 0.3220,
0.3880

■ 24.1413, 0.3264,
0.4607

■ 24.1413, 0.3264,
0.4607

■ 23.4078, 0.3273,
0.4920

■ 24.9963, 0.3244,
0.4292

■ 22.7870, 0.3270,
0.5215

■ 25.9752, 0.3217,
0.3988

■ 22.2736, 0.3252,
0.5474


■ 27.0840, 0.3185,
0.3702


■ 21.8604, 0.3219,
0.5680

■ 28.3275, 0.3150,
0.3441

■ 21.5382, 0.3176,
0.5825


■ 29.7100, 0.3114,
0.3204

 21.4349, 0.3161,
0.5873

 31.2360, 0.3078,
0.2993

 32.9094, 0.3043,
0.2806

 34.7342, 0.3010,
0.2641

 36.7142, 0.2978,
0.2495

Harmonies

Analogous

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



24.1413, 0.3949, 0.4568



24.1413, 0.3264, 0.4607



24.1413, 0.2579, 0.4128

Triad

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



24.1413, 0.3264, 0.4607



24.1413, 0.1922, 0.2282



24.1413, 0.4270, 0.3091

Complementary

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



24.1413, 0.3264, 0.4607



12.1322, 0.2880, 0.2097

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.



24.1413, 0.3598, 0.2620



24.1413, 0.3264, 0.4607



24.1413, 0.2258, 0.2167

Square

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



24.1413, 0.3264, 0.4607



24.1413, 0.1858, 0.2676



24.1413, 0.2848, 0.2293



24.1413, 0.4586, 0.3631

Rectangle

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



24.1413, 0.3264, 0.4607



24.1413, 0.2216, 0.3617



24.1413, 0.2848, 0.2293



24.1413, 0.4073, 0.2922

Sweetspot

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



24.1423, 0.3264, 0.4607



48.9249, 0.3178, 0.3649



21.5528, 0.3943, 0.4078



11.0723, 0.3185, 0.3703



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.



24.1423, 0.3264, 0.4607



41.8146, 0.3274, 0.4948



23.2922, 0.2963, 0.4433



6.5503, 0.3160, 0.3515



18.5959, 0.3164, 0.5870



0.2418, 0.3487, 0.5613

Inverse Universe

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



12.1322, 0.2880, 0.2097



17.4178, 0.2798, 0.1823



13.5316, 0.3360, 0.2372



5.8201, 0.3091, 0.3069



4.2648, 0.2458, 0.1127



0.0678, 0.2823, 0.1329

Previews

White Background



This preview shows how the Yxy color 24.1413, 0.3264, 0.4607 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 24.1413, 0.3264, 0.4607 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 24.1413, 0.3264, 0.4607

Background



This preview shows how black text looks on a background with the Yxy color 24.1413, 0.3264, 0.4607.



This preview shows how white text looks on a background with the Yxy color 24.1413, 0.3264, 0.4607.

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

24.1413, 0.3264, 0.4607

Protanopia

23.8405, 0.3942, 0.4277

Deuteranopia

23.7598, 0.4058, 0.3981



Tritanopia

24.1120, 0.2749, 0.3095

Trichromacy



Original Color

24.1413, 0.3264, 0.4607

Protanomaly

23.8123, 0.3678, 0.4402

Deuteranomaly

23.4261, 0.3743, 0.4208

Tritanomaly

23.9894, 0.2947, 0.3626

Monochromacy



Original Color

24.1413, 0.3264, 0.4607

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.5708, 0.3196, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1413, 0.3264, 0.4607 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(100, 147, 79)` looks like.

```
.text, #text, p{  
    color:rgb(100, 147, 79)  
}
```

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(100, 147, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 147, 79) }
```

Border

The CSS property to change the border of an element to Yxy 24.1413, 0.3264, 0.4607 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(100, 147, 79) }
```

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

```
.border{ border-color:rgb(100, 147, 79) }
```

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

Here you see how a box with a 4 pixel rgb(100, 147, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 147, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 147, 79);  
box-shadow:4px 4px 4px 4px rgb(100, 147,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1413, 0.3264, 0.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 147, 79) }
```

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

```
.background{ background-color: rgb(100,  
147, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor