

Converting Colors

$Y_{xy}(24.2902, 0.3630, 0.4998)$

Have a look what the booklet for
Yxy(24.2902, 0.3630, 0.4998)
contains.

Yxy(24.2902, 0.3630, 0.4998)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.2902, 0.3630, 0.4998)

Conversions

Conversions Part 1

Format	Color
Hex	719231
RGB	113, 146, 49
RGB Percent	44%, 57%, 19%
CMY	0.5569, 0.4274, 0.8077
CMYK	0.23, 0.00, 0.66, 0.43
HSL	80°, 50%, 38%
HSV	80°, 66%, 57%
XYZ	17.6417, 24.2902, 6.6679
YIQ	125.0750, 11.4690, -37.1630

Conversions

Conversions Part 2

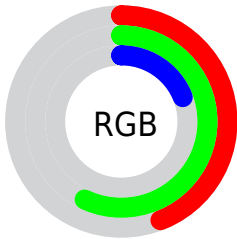
Format	Color
R_{YB}	49, 146, 82
Decimal	7442993
CIE _{Lab}	56.38, -26.76, 45.96
CIE _{LCh}	56, 53.177, 120.209
Yxy	24.2902, 0.3630, 0.4998
Android (android.graphics.Color)	4285633073 (0xFF719231)
YUV	125.0750, -37.5050, -10.5898
Hunter-Lab	49.2851, -22.3543, 26.4781

Details

The Yxy color **24.2902, 0.3630, 0.4998** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.0718, 0.2237, 0.1389**, and the grayscale version is **20.6609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4441, 0.3565, 0.4625**, and **9.1765, 0.3614, 0.5512** is the 20% darker color. If you saturate the color by 10%, you get **23.8665, 0.3652, 0.5200**, and if you desaturate by 10%, it is **24.7741, 0.3586, 0.4762**.

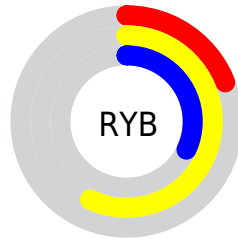
Distribution



Red (44%)

Green (57%)

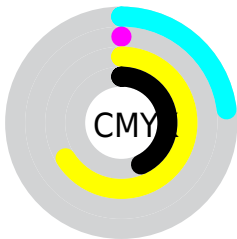
Blue (19%)



Red (19%)

Yellow (57%)

Blue (32%)

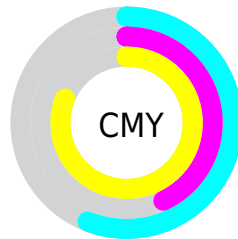


Cyan (23%)

Magenta (0%)

Yellow (66%)

Black (43%)



Cyan (56%)

Magenta (43%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2902, 0.3630, 0.4998 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 24.2902, 0.3630, 0.4998 by changing the saturation by 10% instead.


 24.2902, 0.3630,
0.4998


 24.2902, 0.3630,
0.4998


274.2844, 0.3408,
0.4030


 15.5490, 0.3656,
0.5267


 50.5034, 0.3566,
0.4622


 9.2056, 0.3657,
0.5618


 68.7441, 0.3535,
0.4487


 4.8755, 0.3715,
0.6285

 90.9202, 0.3508,
0.4377

 2.1744, 0.3342,
0.6658

 117.4160, 0.3483,
0.4284

 0.7060, 0.0247,
0.9753

 148.6160, 0.3461,
0.4206

 0.0000, 0.0000,
0.0000

 184.9044, 0.3441,

0.4139

226.6657, 0.3424,
0.4081

■ 24.2902, 0.3630,
0.4998

■ 24.2902, 0.3630,
0.4998

■ 23.8665, 0.3652,
0.5200

■ 24.7741, 0.3586,
0.4762

■ 23.4953, 0.3650,
0.5359

■ 25.3188, 0.3525,
0.4502

■ 23.1714, 0.3626,
0.5473

■ 25.9286, 0.3449,
0.4232

■ 23.0618, 0.3616,
0.5511

■ 26.6068, 0.3365,
0.3960

■ 27.3560, 0.3276,
0.3695

■ 28.1791, 0.3185,
0.3443

■ 29.0784, 0.3095,
0.3208

■ 30.0565, 0.3009,
0.2991

■ 31.1156, 0.2927,
0.2792

Harmonies

Analogous

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



24.2902, 0.4403, 0.4642



24.2902, 0.3630, 0.4998



24.2902, 0.2772, 0.4714

Triad

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



24.2902, 0.3630, 0.4998



24.2902, 0.1610, 0.2209



24.2902, 0.4224, 0.2772

Complementary

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



24.2902, 0.3630, 0.4998



6.0718, 0.2237, 0.1389

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.



24.2902, 0.3286, 0.2286



24.2902, 0.3630, 0.4998



24.2902, 0.1863, 0.1957

Square

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



24.2902, 0.3630, 0.4998



24.2902, 0.1665, 0.2825



24.2902, 0.2430, 0.1998



24.2902, 0.4844, 0.3375

Rectangle

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



24.2902, 0.3630, 0.4998



24.2902, 0.2266, 0.4139



24.2902, 0.2430, 0.1998



24.2902, 0.3926, 0.2592

Sweetspot

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



24.2913, 0.3630, 0.4998



47.7114, 0.3312, 0.3799



12.2720, 0.4788, 0.3821



10.5407, 0.3334, 0.3866



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.2913, 0.3630, 0.4998



41.7468, 0.3654, 0.5289



21.9126, 0.3147, 0.5294



6.6468, 0.3210, 0.3512



20.3049, 0.3619, 0.5508



0.2648, 0.3894, 0.5290

Inverse Universe

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



6.0718, 0.2237, 0.1389



7.1624, 0.2003, 0.1027



9.0087, 0.2941, 0.1713



5.7232, 0.3039, 0.3065



2.4283, 0.1777, 0.0753



0.0448, 0.2256, 0.1017

Previews

White Background



This preview shows how the Yxy color 24.2902, 0.3630, 0.4998 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 24.2902, 0.3630, 0.4998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

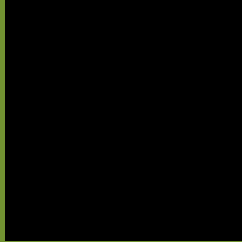
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2902, 0.3630, 0.4998

Background



This preview shows how black text looks on a background with the Yxy color 24.2902, 0.3630, 0.4998.



This preview shows how white text looks on a background with the Yxy color 24.2902, 0.3630, 0.4998.

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

24.2902, 0.3630, 0.4998

Protanopia

24.1045, 0.4207, 0.4626

Deuteranopia

24.0390, 0.4420, 0.4327



Tritanopia

24.3579, 0.2901, 0.3117

Trichromacy



Original Color

24.2902, 0.3630, 0.4998

Protanomaly

23.9888, 0.3987, 0.4768

Deuteranomaly

23.8809, 0.4119, 0.4571

Tritanomaly

23.9688, 0.3211, 0.3822

Monochromacy



Original Color

24.2902, 0.3630, 0.4998

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.7031, 0.3372, 0.3971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2902, 0.3630, 0.4998 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(113, 146, 49)` looks like.

```
.text, #text, p{  
    color:rgb(113, 146, 49)  
}
```

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(113, 146, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 146, 49) }
```

Border

The CSS property to change the border of an element to Yxy 24.2902, 0.3630, 0.4998 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(113, 146, 49) }
```

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

```
.border{ border-color:rgb(113, 146, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 146, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 146, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 146, 49);  
box-shadow:4px 4px 4px 4px rgb(113, 146,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2902, 0.3630, 0.4998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 146, 49) }
```

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

```
.background{ background-color: rgb(113,  
146, 49) }
```

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