

Converting Colors

$Y_{xy}(23.3392, 0.3544, 0.4742)$

Have a look what the booklet for
Yxy(23.3392, 0.3544, 0.4742)
contains.

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Color

Yxy(23.2269, 0.3549, 0.4735)

Conversions

Conversions Part 1

Format	Color
Hex	718E40
RGB	113, 142, 64
RGB Percent	44%, 56%, 25%
CMY	0.5568, 0.4431, 0.7490
CMYK	0.20, 0.00, 0.55, 0.44
HSL	82°, 38%, 40%
HSV	82°, 55%, 56%
XYZ	17.4091, 23.2269, 8.4176
YIQ	124.4370, 7.7540, -30.4060

Conversions

Conversions Part 2

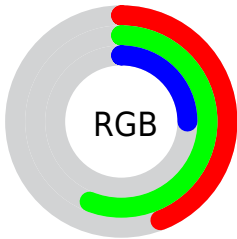
Format	Color
RYB	64, 142, 93
Decimal	7441984
CIELab	55.31, -23.40, 37.74
CIElCh	55, 44.403, 121.795
Yxy	23.2269, 0.3549, 0.4735
Android (android.graphics.Color)	4285632064 (0xFF718E40)
YUV	124.4370, -29.7954, -10.0302
Hunter-Lab	48.1943, -19.8608, 23.3804

Details

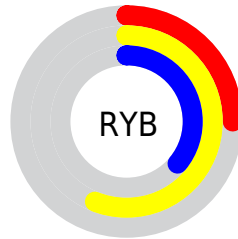
The Yxy color **23.2269, 0.3549, 0.4735** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.9488, 0.2457, 0.1739**, and the grayscale version is **20.4103, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8018, 0.3481, 0.4412**, and **8.7101, 0.3596, 0.5315** is the 20% darker color. If you saturate the color by 10%, you get **22.7462, 0.3590, 0.4981**, and if you desaturate by 10%, it is **23.7712, 0.3490, 0.4469**.

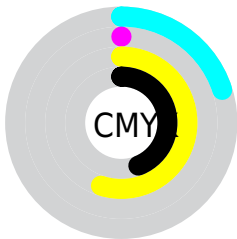
Distribution



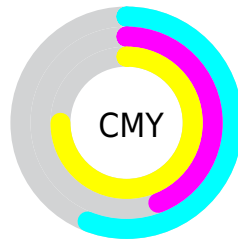
- Red (44%)
- Green (56%)
- Blue (25%)



- Red (25%)
- Yellow (56%)
- Blue (36%)



- Cyan (20%)
- Magenta (0%)
- Yellow (55%)
- Black (44%)





- Cyan (56%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2269, 0.3549, 0.4735 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 23.2269, 0.3549, 0.4735 by changing the saturation by 10% instead.


 23.2269, 0.3549,
0.4735

 23.2269, 0.3549,
0.4735


268.8883, 0.3350,
0.3905


 14.7611, 0.3582,
0.4977


 48.7656, 0.3485,
0.4407

 8.6519, 0.3606,
0.5306


 66.6074, 0.3458,
0.4291


 4.5148, 0.3634,
0.5834

 88.3433, 0.3434,
0.4197

 1.9655, 0.3493,
0.6507

 114.3577, 0.3412,
0.4119

 0.5873, 0.0000,
1.0000

 145.0350, 0.3394,
0.4053

 0.0000, 0.0000,
0.0000

180.7596, 0.3377,

0.3996

221.9159, 0.3363,
0.3948

■ 23.2269, 0.3549,
0.4735

■ 23.2269, 0.3549,
0.4735

■ 22.7462, 0.3590,
0.4981

■ 23.7712, 0.3490,
0.4469

■ 22.3225, 0.3611,
0.5195

■ 24.3792, 0.3419,
0.4194

■ 21.9528, 0.3609,
0.5367

■ 25.0549, 0.3339,
0.3921

■ 21.6318, 0.3584,
0.5492

■ 25.8010, 0.3254,
0.3656

■ 21.4806, 0.3568,
0.5549

■ 26.6200, 0.3169,
0.3407

■ 27.5144, 0.3085,
0.3174

■ 28.4863, 0.3003,
0.2961

■ 29.5381, 0.2926,
0.2767

■ 30.6717, 0.2854,
0.2592

Harmonies

Analogous

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



23.2269, 0.4220, 0.4501



23.2269, 0.3549, 0.4735



23.2269, 0.2804, 0.4439

Triad

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



23.2269, 0.3549, 0.4735



23.2269, 0.1803, 0.2346



23.2269, 0.4097, 0.2876

Complementary

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



23.2269, 0.3549, 0.4735



7.9488, 0.2457, 0.1739

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.



23.2269, 0.3314, 0.2434



23.2269, 0.3549, 0.4735



23.2269, 0.2046, 0.2124

Square

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



23.2269, 0.3549, 0.4735



23.2269, 0.1845, 0.2875



23.2269, 0.2566, 0.2167



23.2269, 0.4602, 0.3421

Rectangle

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



23.2269, 0.3549, 0.4735



23.2269, 0.2367, 0.3957



23.2269, 0.2566, 0.2167



23.2269, 0.3851, 0.2713

Sweetspot

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



23.2279, 0.3549, 0.4735



45.3031, 0.3266, 0.3693



13.8814, 0.4369, 0.3800



10.0650, 0.3282, 0.3739



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.2279, 0.3549, 0.4735



39.9174, 0.3598, 0.5037



21.1891, 0.3138, 0.4942



6.1866, 0.3205, 0.3511



19.2965, 0.3571, 0.5547



0.1971, 0.3862, 0.5316

Inverse Universe

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



7.9488, 0.2457, 0.1739



10.0910, 0.2264, 0.1387



10.4948, 0.3026, 0.1964



5.3466, 0.3044, 0.3067



2.4380, 0.1825, 0.0779



0.0351, 0.2314, 0.1048

Previews

White Background



This preview shows how the Yxy color 23.2269, 0.3549, 0.4735 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 23.2269, 0.3549, 0.4735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

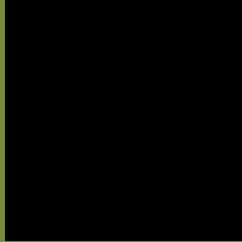
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2269, 0.3549, 0.4735

Background



This preview shows how black text looks on a background with the Yxy color 23.2269, 0.3549, 0.4735.



This preview shows how white text looks on a background with the Yxy color 23.2269, 0.3549, 0.4735.

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

23.2269, 0.3549, 0.4735

Protanopia

23.0425, 0.4069, 0.4438

Deuteranopia

23.0204, 0.4247, 0.4178



Tritanopia

23.2748, 0.2907, 0.3114

Trichromacy



Original Color

23.2269, 0.3549, 0.4735

Protanomaly

23.1070, 0.3875, 0.4553

Deuteranomaly

22.8371, 0.3976, 0.4373

Tritanomaly

23.0511, 0.3152, 0.3698

Monochromacy



Original Color

23.2269, 0.3549, 0.4735

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.1850, 0.3311, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2269, 0.3549, 0.4735 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, 142, 64)` looks like.

```
.text, #text, p{  
    color:rgb(113, 142, 64)  
}
```

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, 142, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 142, 64) }
```

Border

The CSS property to change the border of an element to Yxy 23.2269, 0.3549, 0.4735 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, 142, 64) }
```

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

```
.border{ border-color:rgb(113, 142, 64) }
```

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

Here you see how a box with a 4 pixel rgb(113, 142, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 142, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 142, 64);  
box-shadow:4px 4px 4px 4px rgb(113, 142,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2269, 0.3549, 0.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 142, 64) }
```

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

```
.background{ background-color: rgb(113,  
142, 64) }
```

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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