

Converting Colors

$Y_{xy}(23.0840, 0.3482, 0.4473)$

Have a look what the booklet for
Yxy(23.0840, 0.3482, 0.4473)
contains.

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Color

Yxy(23.0050, 0.3484, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	748C4D
RGB	116, 140, 77
RGB Percent	45%, 55%, 30%
CMY	0.5450, 0.4510, 0.6981
CMYK	0.17, 0.00, 0.45, 0.45
HSL	83°, 29%, 43%
HSV	83°, 45%, 55%
XYZ	17.9225, 23.0050, 10.5148
YIQ	125.6420, 5.9190, -24.6810

Conversions

Conversions Part 2

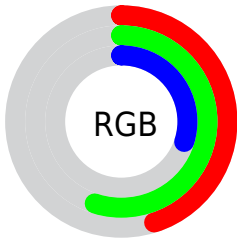
Format	Color
RYB	77, 140, 101
Decimal	7638093
CIELab	55.08, -19.65, 30.79
CIElCh	55, 36.525, 122.545
Yxy	23.0050, 0.3484, 0.4472
Android (android.graphics.Color)	4285828173 (0xFF748C4D)
YUV	125.6420, -23.9805, -8.4560
Hunter-Lab	47.9635, -17.2362, 20.5766

Details

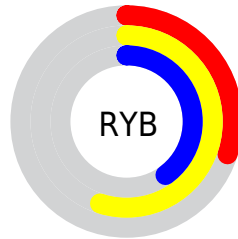
The Yxy color $23.0050, 0.3484, 0.4472$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $9.9641, 0.2614, 0.2043$, and the grayscale version is $20.8193, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.5509, 0.3421, 0.4207$, and $8.5643, 0.3556, 0.4962$ is the 20% darker color. If you saturate the color by 10%, you get $22.4744, 0.3541, 0.4739$, and if you desaturate by 10%, it is $23.6011, 0.3414, 0.4196$.

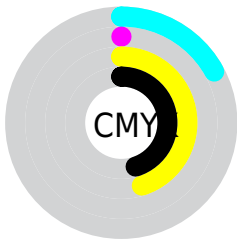
Distribution



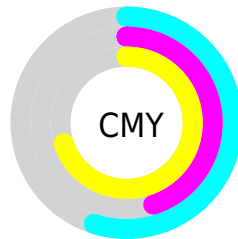
- Red (45%)
- Green (55%)
- Blue (30%)



- Red (30%)
- Yellow (55%)
- Blue (40%)



- Cyan (17%)
- Magenta (0%)
- Yellow (45%)
- Black (45%)




- Cyan (55%)
- Magenta (45%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0050, 0.3484, 0.4472 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 23.0050, 0.3484, 0.4472 by changing the saturation by 10% instead.


 23.0050, 0.3484,
0.4472


 23.0050, 0.3484,
0.4472


267.7507, 0.3306,
0.3792


 14.5972, 0.3521,
0.4675


 48.4015, 0.3423,
0.4201

 8.5372, 0.3559,
0.4956


 66.1591, 0.3398,
0.4106


 4.4406, 0.3583,
0.5365

 87.8020, 0.3377,
0.4029

 1.9229, 0.3713,
0.6287

 113.7146, 0.3359,
0.3966

 0.5621, 0.0885,
0.9115

 144.2814, 0.3343,
0.3912

 0.0000, 0.0000,
0.0000

179.8868, 0.3330,

0.3866

220.9150, 0.3317,
0.3826

■ 23.0050, 0.3484,
0.4472

■ 23.0050, 0.3484,
0.4472

■ 22.4744, 0.3541,
0.4739

■ 23.6011, 0.3414,
0.4196

■ 22.0032, 0.3581,
0.4987

■ 24.2626, 0.3336,
0.3923

■ 21.5889, 0.3600,
0.5202


■ 24.9931, 0.3253,
0.3658


■ 21.2277, 0.3597,
0.5376

■ 25.7950, 0.3169,
0.3409

■ 20.9144, 0.3571,
0.5502


■ 26.6707, 0.3086,
0.3176

 20.7691, 0.3555,
0.5559

 27.6226, 0.3006,
0.2963

 28.6525, 0.2930,
0.2770

 29.7627, 0.2858,
0.2595

 30.9550, 0.2792,
0.2437

Harmonies

Analogous

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



23.0050, 0.4045, 0.4324



23.0050, 0.3484, 0.4472



23.0050, 0.2857, 0.4204

Triad

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



23.0050, 0.3484, 0.4472



23.0050, 0.2004, 0.2498



23.0050, 0.3943, 0.2960

Complementary

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



23.0050, 0.3484, 0.4472



9.9641, 0.2614, 0.2043

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.



23.0050, 0.3306, 0.2572



23.0050, 0.3484, 0.4472



23.0050, 0.2222, 0.2301

Square

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



23.0050, 0.3484, 0.4472



23.0050, 0.2039, 0.2947



23.0050, 0.2677, 0.2337



23.0050, 0.4351, 0.3435

Rectangle

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



23.0050, 0.3484, 0.4472



23.0050, 0.2488, 0.3818



23.0050, 0.2677, 0.2337



23.0050, 0.3745, 0.2818

Sweetspot

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



23.0060, 0.3484, 0.4472



44.1621, 0.3247, 0.3640



15.2431, 0.4074, 0.3714



10.1161, 0.3263, 0.3690



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.



23.0060, 0.3484, 0.4472



39.6134, 0.3542, 0.4743



21.2408, 0.3145, 0.4608



5.7515, 0.3204, 0.3510



18.4665, 0.3558, 0.5557



0.1311, 0.3853, 0.5323

Inverse Universe

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



9.9641, 0.2614, 0.2043



13.5954, 0.2464, 0.1738



12.0728, 0.3053, 0.2188



4.9789, 0.3046, 0.3068



2.3719, 0.1840, 0.0787



0.0237, 0.2330, 0.1057

Previews

White Background



This preview shows how the Yxy color 23.0050, 0.3484, 0.4472 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 23.0050, 0.3484, 0.4472 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 23.0050, 0.3484, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 23.0050, 0.3484, 0.4472.



This preview shows how white text looks on a background with the Yxy color 23.0050, 0.3484, 0.4472.

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

23.0050, 0.3484, 0.4472

Protanopia

23.0167, 0.3920, 0.4263

Deuteranopia

22.8718, 0.4081, 0.4023



Tritanopia

22.8457, 0.2937, 0.3097

Trichromacy



Original Color

23.0050, 0.3484, 0.4472

Protanomaly

22.9043, 0.3750, 0.4346

Deuteranomaly

22.6368, 0.3851, 0.4180

Tritanomaly

22.7974, 0.3147, 0.3584

Monochromacy



Original Color

23.0050, 0.3484, 0.4472

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.4529, 0.3270, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0050, 0.3484, 0.4472 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(116, 140, 77)` looks like.

```
.text, #text, p{  
    color:rgb(116, 140, 77)  
}
```

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(116, 140, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 140, 77) }
```

Border

The CSS property to change the border of an element to Yxy 23.0050, 0.3484, 0.4472 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(116, 140, 77) }
```

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

```
.border{ border-color:rgb(116, 140, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 140, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 140, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 140, 77);  
box-shadow:4px 4px 4px 4px rgb(116, 140,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0050, 0.3484, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 140, 77) }
```

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

```
.background{ background-color: rgb(116,  
140, 77) }
```

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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