

Converting Colors

$Y_{xy}(23.5728, 0.3225, 0.4367)$

Have a look what the booklet for
Yxy(23.5728, 0.3225, 0.4367)
contains.

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Color

Yxy(23.5514, 0.3216, 0.4361)

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 679059 |
| RGB | 103, 144, 89 |
| RGB Percent | 40%, 56%, 35% |
| CMY | 0.5962, 0.4353, 0.6509 |
| CMYK | 0.28, 0.00, 0.38, 0.44 |
| HSL | 105°, 24%, 46% |
| HSV | 105°, 38%, 56% |
| XYZ | 17.3679, 23.5514, 13.0853 |
| YIQ | 125.4710, -6.7810, -25.7970 |

Conversions

Conversions Part 2

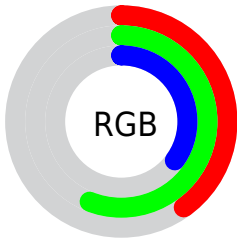
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 89, 144, 130 |
| Decimal | 6787161 |
| CIE _{Lab} | 55.64, -25.04, 24.81 |
| CIE _{LCh} | 56, 35.255, 135.266 |
| Yxy | 23.5514, 0.3216, 0.4361 |
| Android (android.graphics.Color) | 4284977241 (0xFF679059) |
| YUV | 125.4710, -17.9802, -19.7071 |
| Hunter-Lab | 48.5298, -21.0454, 17.9842 |

Details

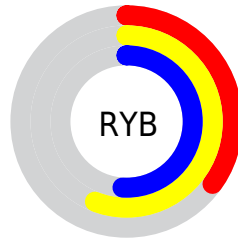
The Yxy color **23.5514, 0.3216, 0.4361** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.9120, 0.2977, 0.2324**, and the grayscale version is **20.7380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2502, 0.3204, 0.4105**, and **8.7801, 0.3214, 0.4821** is the 20% darker color. If you saturate the color by 10%, you get **22.7386, 0.3227, 0.4683**, and if you desaturate by 10%, it is **24.4952, 0.3198, 0.4049**.

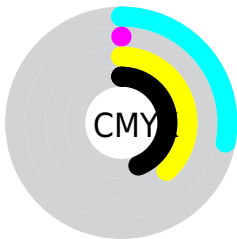
Distribution



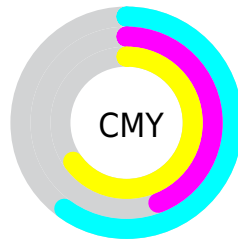
- Red (40%)
- Green (56%)
- Blue (35%)



- Red (35%)
- Yellow (56%)
- Blue (51%)



- Cyan (28%)
- Magenta (0%)
- Yellow (38%)
- Black (44%)





- Cyan (60%)
- Magenta (44%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5514, 0.3216, 0.4361 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 23.5514, 0.3216, 0.4361 by changing the saturation by 10% instead.


 23.5514, 0.3216,
0.4361


 23.5514, 0.3216,
0.4361


270.5446, 0.3184,
0.3739


 15.0012, 0.3215,
0.4553


 49.2972, 0.3209,
0.4110


 8.8202, 0.3205,
0.4824


 67.2615, 0.3205,
0.4024


 4.6241, 0.3169,
0.5234

 89.1326, 0.3201,
0.3954

 2.0284, 0.3250,
0.6285

 115.2950, 0.3197,
0.3896

 0.6239, 0.0000,
1.0000

 146.1330, 0.3193,
0.3847

 0.0000, 0.0000,
0.0000

182.0310, 0.3190,

0.3806

223.3734, 0.3187,
0.3770

■ 23.5514, 0.3216,
0.4361

■ 23.5514, 0.3216,
0.4361

■ 22.7386, 0.3227,
0.4683

■ 24.4952, 0.3198,
0.4049

■ 22.0480, 0.3228,
0.5001

■ 25.5725, 0.3175,
0.3757

■ 21.4742, 0.3217,
0.5297


■ 26.7895, 0.3149,
0.3489

■ 21.0103, 0.3195,
0.5552


■ 28.1510, 0.3122,
0.3248


■ 20.6484, 0.3161,
0.5748


■ 29.6616, 0.3094,
0.3034


 20.3762, 0.3121,
0.5886

 31.3258, 0.3067,
0.2844

 20.3339, 0.3115,
0.5909

 33.1478, 0.3041,
0.2677

 35.1317, 0.3016,
0.2530

 37.2813, 0.2992,
0.2402

Harmonies

Analogous

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



23.5514, 0.3801, 0.4383



23.5514, 0.3216, 0.4361



23.5514, 0.2637, 0.3941

Triad

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



23.5514, 0.3216, 0.4361



23.5514, 0.2105, 0.2420



23.5514, 0.4113, 0.3163

Complementary

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



23.5514, 0.3216, 0.4361



13.9120, 0.2977, 0.2324

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.



23.5514, 0.3570, 0.2744



23.5514, 0.3216, 0.4361



23.5514, 0.2417, 0.2327

Square

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



23.5514, 0.3216, 0.4361



23.5514, 0.2034, 0.2752



23.5514, 0.2939, 0.2447



23.5514, 0.4358, 0.3636

Rectangle

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



23.5514, 0.3216, 0.4361



23.5514, 0.2331, 0.3523



23.5514, 0.2939, 0.2447



23.5514, 0.3956, 0.3014

Sweetspot

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



23.5524, 0.3216, 0.4361



46.5654, 0.3158, 0.3568



22.4430, 0.3765, 0.3985



10.6188, 0.3161, 0.3599



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.



23.5524, 0.3216, 0.4361



40.2668, 0.3226, 0.4643



23.0301, 0.2964, 0.4140



6.0914, 0.3152, 0.3515



17.7148, 0.3119, 0.5906



0.1786, 0.3410, 0.5674

Inverse Universe

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



13.9120, 0.2977, 0.2324



20.7041, 0.2929, 0.2100



14.7213, 0.3350, 0.2570



5.4431, 0.3099, 0.3070



4.5122, 0.2590, 0.1201



0.0536, 0.2899, 0.1371

Previews

White Background



This preview shows how the Yxy color 23.5514, 0.3216, 0.4361 looks on a white background.

Color Contrast Check

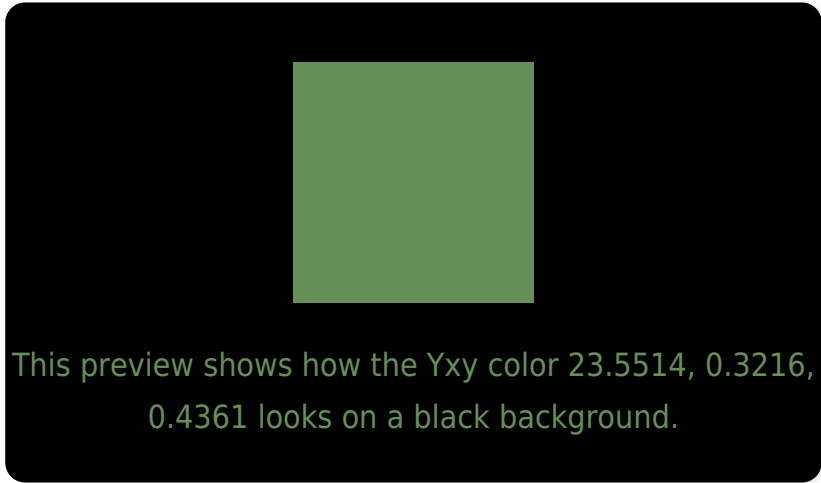
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

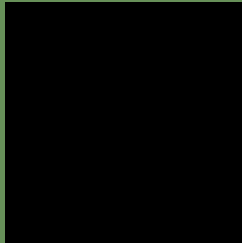
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5514, 0.3216, 0.4361

Background



This preview shows how black text looks on a background with the Yxy color 23.5514, 0.3216, 0.4361.



This preview shows how white text looks on a background with the Yxy color 23.5514, 0.3216, 0.4361.

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

23.5514, 0.3216, 0.4361

Protanopia

23.4507, 0.3799, 0.4105

Deuteranopia

23.2382, 0.3912, 0.3841



Tritanopia

23.5401, 0.2773, 0.3094

Trichromacy



Original Color

23.5514, 0.3216, 0.4361

Protanomaly

23.3090, 0.3580, 0.4208

Deuteranomaly

22.9510, 0.3636, 0.4012

Tritanomaly

23.5397, 0.2928, 0.3532

Monochromacy



Original Color

23.5514, 0.3216, 0.4361

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.4543, 0.3167, 0.3670

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5514, 0.3216, 0.4361 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(103, 144, 89)` looks like.

```
.text, #text, p{  
    color:rgb(103, 144, 89)  
}
```

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(103, 144, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 144, 89) }
```

Border

The CSS property to change the border of an element to Yxy 23.5514, 0.3216, 0.4361 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(103, 144, 89) }
```

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

```
.border{ border-color:rgb(103, 144, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 144, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 144, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 144, 89);  
box-shadow:4px 4px 4px 4px rgb(103, 144,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5514, 0.3216, 0.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 144, 89) }
```

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

```
.background{ background-color: rgb(103,  
144, 89) }
```

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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