

Converting Colors

$Y_{xy}(23.3200, 0.3214, 0.4290)$

Have a look what the booklet for
Yxy(23.3200, 0.3214, 0.4290)
contains.

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Color

$Y_{xy}(23.4035, 0.3222, 0.4300)$

Conversions

Conversions Part 1

Format	Color
Hex	698F5B
RGB	105, 143, 91
RGB Percent	41%, 56%, 36%
CMY	0.5882, 0.4392, 0.6432
CMYK	0.27, 0.00, 0.36, 0.44
HSL	104°, 22%, 46%
HSV	104°, 36%, 56%
XYZ	17.5363, 23.4035, 13.4869
YIQ	125.7100, -5.9560, -24.2280

Conversions

Conversions Part 2

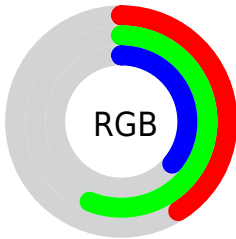
Format	Color
R_{YB}	91, 143, 129
Decimal	6917979
CIE _{Lab}	55.49, -23.48, 23.55
CIE _{LCh}	55, 33.260, 134.913
Yxy	23.4035, 0.3222, 0.4300
Android (android.graphics.Color)	4285108059 (0xFF698F5B)
YUV	125.7100, -17.1120, -18.1627
Hunter-Lab	48.3772, -19.9554, 17.3347

Details

The Yxy color **23.4035, 0.3222, 0.4300** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.1288, 0.2975, 0.2368**, and the grayscale version is **20.8214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0536, 0.3207, 0.4060**, and **8.6769, 0.3225, 0.4732** is the 20% darker color. If you saturate the color by 10%, you get **22.5866, 0.3236, 0.4619**, and if you desaturate by 10%, it is **24.3472, 0.3201, 0.3993**.

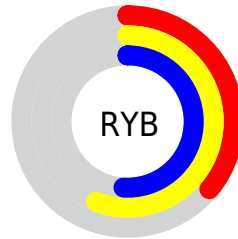
Distribution



Red (41%)

Green (56%)

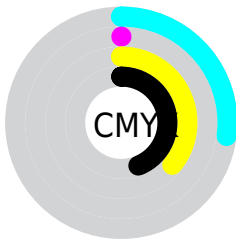
Blue (36%)



Red (36%)

Yellow (56%)

Blue (51%)

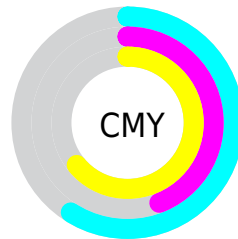


Cyan (27%)

Magenta (0%)

Yellow (36%)

Black (44%)



Cyan (59%)


Magenta (44%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4035, 0.3222, 0.4300 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 23.4035, 0.3222, 0.4300 by changing the saturation by 10% instead.


 23.4035, 0.3222,
0.4300


 23.4035, 0.3222,
0.4300


269.7907, 0.3184,
0.3714


 14.8917, 0.3224,
0.4480


 49.0550, 0.3213,
0.4064


 8.7434, 0.3219,
0.4736

 66.9636, 0.3208,
0.3982

 4.5742, 0.3193,
0.5124

 88.7732, 0.3203,
0.3916

 1.9997, 0.3263,
0.6070

 114.8682, 0.3198,
0.3862

 0.6073, 0.0065,
0.9935

145.6331, 0.3194,
0.3816

 0.0000, 0.0000,
0.0000

181.4522, 0.3191,

0.3777

222.7100, 0.3187,
0.3743

■ 23.4035, 0.3222,
0.4300

■ 23.4035, 0.3222,
0.4300

■ 22.5866, 0.3236,
0.4619

■ 24.3472, 0.3201,
0.3993

■ 21.8879, 0.3241,
0.4937

■ 25.4197, 0.3175,
0.3706

■ 21.3026, 0.3234,
0.5236

■ 26.6270, 0.3146,
0.3444


■ 20.8241, 0.3214,
0.5499

■ 27.9735, 0.3116,
0.3207


■ 20.4453, 0.3182,
0.5706


■ 29.4637, 0.3086,
0.2997

 20.1564, 0.3141,
0.5852

 31.1017, 0.3057,
0.2811

 20.0683, 0.3128,
0.5898

 32.8915, 0.3029,
0.2648

 34.8369, 0.3002,
0.2504

 36.9417, 0.2977,
0.2377

Harmonies

Analogous

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



23.4035, 0.3776, 0.4323



23.4035, 0.3222, 0.4300



23.4035, 0.2670, 0.3909

Triad

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



23.4035, 0.3222, 0.4300



23.4035, 0.2153, 0.2467



23.4035, 0.4054, 0.3167

Complementary

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



23.4035, 0.3222, 0.4300



14.1288, 0.2975, 0.2368

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.



23.4035, 0.3540, 0.2767



23.4035, 0.3222, 0.4300



23.4035, 0.2449, 0.2373

Square

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



23.4035, 0.3222, 0.4300



23.4035, 0.2088, 0.2789



23.4035, 0.2944, 0.2485



23.4035, 0.4291, 0.3619

Rectangle

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



23.4035, 0.3222, 0.4300



23.4035, 0.2377, 0.3519



23.4035, 0.2944, 0.2485



23.4035, 0.3905, 0.3024

Sweetspot

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



23.4045, 0.3222, 0.4300



46.6018, 0.3160, 0.3568



22.1025, 0.3736, 0.3938



10.6279, 0.3164, 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.



23.4045, 0.3222, 0.4300



40.6454, 0.3235, 0.4573



22.8337, 0.2979, 0.4110



6.0953, 0.3154, 0.3514



17.7526, 0.3131, 0.5896



0.1794, 0.3432, 0.5657

Inverse Universe

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



14.1288, 0.2975, 0.2368



21.4019, 0.2926, 0.2146



14.9782, 0.3324, 0.2591



5.4389, 0.3097, 0.3070



4.3907, 0.2553, 0.1180



0.0528, 0.2878, 0.1359

Previews

White Background



This preview shows how the Yxy color 23.4035, 0.3222, 0.4300 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 23.4035, 0.3222, 0.4300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

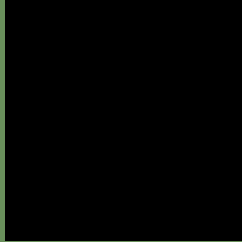
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.4035, 0.3222, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 23.4035, 0.3222, 0.4300.



This preview shows how white text looks on a background with the Yxy color 23.4035, 0.3222, 0.4300.

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

23.4035, 0.3222, 0.4300

Protanopia

23.1199, 0.3771, 0.4060

Deuteranopia

23.1731, 0.3876, 0.3812



Tritanopia

23.2923, 0.2790, 0.3093

Trichromacy



Original Color

23.4035, 0.3222, 0.4300

Protanomaly

23.0587, 0.3564, 0.4157

Deuteranomaly

22.9865, 0.3614, 0.3977

Tritanomaly

23.3771, 0.2948, 0.3513

Monochromacy



Original Color

23.4035, 0.3222, 0.4300

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.5463, 0.3168, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4035, 0.3222, 0.4300 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(105, 143, 91)` looks like.

```
.text, #text, p{  
    color:rgb(105, 143, 91)  
}
```

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(105, 143, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 143, 91) }
```

Border

The CSS property to change the border of an element to Yxy 23.4035, 0.3222, 0.4300 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(105, 143, 91) }
```

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

```
.border{ border-color:rgb(105, 143, 91) }
```

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

Here you see how a box with a 4 pixel rgb(105, 143, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 143, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 143, 91);  
box-shadow:4px 4px 4px 4px rgb(105, 143,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4035, 0.3222, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 143, 91) }
```

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

```
.background{ background-color: rgb(105,  
143, 91) }
```

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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