

Converting Colors

$Y_{xy}(23.2348, 0.3238, 0.4606)$

Have a look what the booklet for
Yxy(23.2348, 0.3238, 0.4606)
contains.

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Color

Yxy(23.2877, 0.3235, 0.4616)

Conversions

Conversions Part 1

Format	Color
Hex	60914E
RGB	96, 145, 78
RGB Percent	38%, 57%, 31%
CMY	0.6237, 0.4313, 0.6941
CMYK	0.34, 0.00, 0.46, 0.43
HSL	104°, 30%, 44%
HSV	104°, 46%, 57%
XYZ	16.3206, 23.2877, 10.8417
YIQ	122.7110, -7.6970, -31.2250

Conversions

Conversions Part 2

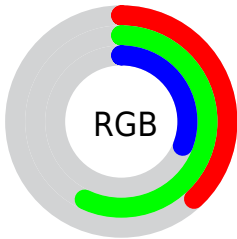
Format	Color
RYB	78, 145, 127
Decimal	6328654
CIELab	55.37, -29.71, 30.35
CIELCh	55, 42.470, 134.391
Yxy	23.2877, 0.3235, 0.4616
Android (android.graphics.Color)	4284518734 (0xFF60914E)
YUV	122.7110, -22.0425, -23.4255
Hunter-Lab	48.2573, -24.0819, 20.4598

Details

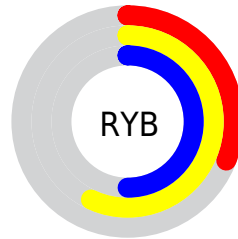
The Yxy color **23.2877, 0.3235, 0.4616** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.0095, 0.2920, 0.2113**, and the grayscale version is **19.7801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7949, 0.3237, 0.4302**, and **8.6852, 0.3210, 0.5185** is the 20% darker color. If you saturate the color by 10%, you get **22.5660, 0.3240, 0.4934**, and if you desaturate by 10%, it is **24.1350, 0.3221, 0.4297**.

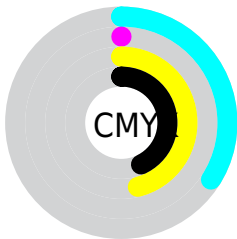
Distribution



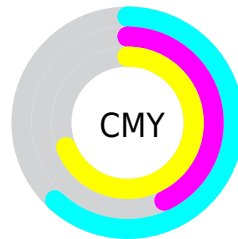
- Red (38%)
- Green (57%)
- Blue (31%)



- Red (31%)
- Yellow (57%)
- Blue (50%)



- Cyan (34%)
- Magenta (0%)
- Yellow (46%)
- Black (43%)




- Cyan (62%)
- Magenta (43%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2877, 0.3235, 0.4616 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 23.2877, 0.3235, 0.4616 by changing the saturation by 10% instead.


 23.2877, 0.3235,
0.4616


 23.2877, 0.3235,
0.4616


269.1993, 0.3202,
0.3841


 14.8061, 0.3228,
0.4855


 48.8653, 0.3232,
0.4303


 8.6834, 0.3203,
0.5192


 66.7301, 0.3228,
0.4195


 4.5353, 0.3132,
0.5693

 88.4914, 0.3223,
0.4108

 1.9773, 0.3111,
0.6889

 114.5336, 0.3219,
0.4035

 0.5942, 0.0000,
1.0000

 145.2410, 0.3214,
0.3975

 0.0000, 0.0000,
0.0000

180.9982, 0.3210,

0.3923

222.1895, 0.3206,
0.3879

■ 23.2877, 0.3235,
0.4616

■ 23.2877, 0.3235,
0.4616

■ 22.5660, 0.3240,
0.4934

■ 24.1350, 0.3221,
0.4297

■ 21.9608, 0.3233,
0.5235

■ 25.1107, 0.3200,
0.3989

■ 21.4663, 0.3213,
0.5498


■ 26.2210, 0.3174,
0.3702


■ 21.0751, 0.3181,
0.5706


■ 27.4710, 0.3146,
0.3440


■ 20.7773, 0.3140,
0.5852

■ 28.8653, 0.3116,
0.3204

 20.6829, 0.3126,
0.5900

 30.4086, 0.3086,
0.2994

 32.1052, 0.3057,
0.2808

 33.9591, 0.3029,
0.2645

 35.9744, 0.3003,
0.2501

Harmonies

Analogous

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



23.2877, 0.3932, 0.4593



23.2877, 0.3235, 0.4616



23.2877, 0.2547, 0.4111

Triad

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



23.2877, 0.3235, 0.4616



23.2877, 0.1918, 0.2260



23.2877, 0.4305, 0.3108

Complementary

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



23.2877, 0.3235, 0.4616



12.0095, 0.2920, 0.2113

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.



23.2877, 0.3634, 0.2629



23.2877, 0.3235, 0.4616



23.2877, 0.2267, 0.2156

Square

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



23.2877, 0.3235, 0.4616



23.2877, 0.1842, 0.2646



23.2877, 0.2873, 0.2292



23.2877, 0.4607, 0.3655

Rectangle

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



23.2877, 0.3235, 0.4616



23.2877, 0.2187, 0.3588



23.2877, 0.2873, 0.2292



23.2877, 0.4111, 0.2937

Sweetspot

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



23.2887, 0.3235, 0.4616



47.3598, 0.3169, 0.3650



21.4988, 0.3924, 0.4111



10.4435, 0.3174, 0.3703



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.



23.2887, 0.3235, 0.4616



40.4130, 0.3240, 0.4932



22.6558, 0.2945, 0.4383



6.0949, 0.3154, 0.3514



17.7487, 0.3130, 0.5897



0.1793, 0.3430, 0.5658

Inverse Universe

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



12.0095, 0.2920, 0.2113



17.7107, 0.2857, 0.1869



13.0942, 0.3394, 0.2407



5.4394, 0.3097, 0.3070



4.4028, 0.2556, 0.1182



0.0529, 0.2880, 0.1360

Previews

White Background



This preview shows how the Yxy color 23.2877, 0.3235, 0.4616 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 23.2877, 0.3235, 0.4616 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 23.2877, 0.3235, 0.4616

Background



This preview shows how black text looks on a background with the Yxy color 23.2877, 0.3235, 0.4616.



This preview shows how white text looks on a background with the Yxy color 23.2877, 0.3235, 0.4616.

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

23.2877, 0.3235, 0.4616

Protanopia

23.0033, 0.3930, 0.4279

Deuteranopia

23.0198, 0.4060, 0.3974



Tritanopia

23.2176, 0.2726, 0.3091

Trichromacy



Original Color

23.2877, 0.3235, 0.4616

Protanomaly

22.9113, 0.3651, 0.4410

Deuteranomaly

22.6875, 0.3740, 0.4203

Tritanomaly

23.1293, 0.2915, 0.3613

Monochromacy



Original Color

23.2877, 0.3235, 0.4616

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.8048, 0.3174, 0.3756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2877, 0.3235, 0.4616 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(96, 145, 78)` looks like.

```
.text, #text, p{  
    color:rgb(96, 145, 78)  
}
```

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(96, 145, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 145, 78) }
```

Border

The CSS property to change the border of an element to Yxy 23.2877, 0.3235, 0.4616 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(96, 145, 78) }
```

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

```
.border{ border-color:rgb(96, 145, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 145, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 145, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 145, 78);  
box-shadow:4px 4px 4px 4px rgb(96, 145,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2877, 0.3235, 0.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 145, 78) }
```

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

```
.background{ background-color: rgb(96, 145,  
78) }
```

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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