

Converting Colors

$Yxy(23.2226, 0.2868, 0.4507)$

Have a look what the booklet for
Yxy(23.2226, 0.2868, 0.4507)
contains.

Yxy(23.0934, 0.2865, 0.4493)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.0934, 0.2865, 0.4493)

Conversions

Conversions Part 1

Format	Color
Hex	42945B
RGB	66, 148, 91
RGB Percent	26%, 58%, 36%
CMY	0.7411, 0.4196, 0.6431
CMYK	0.55, 0.00, 0.39, 0.42
HSL	138°, 38%, 42%
HSV	138°, 55%, 58%
XYZ	14.7257, 23.0934, 13.5795
YIQ	116.9840, -30.5750, -35.1110

Conversions

Conversions Part 2

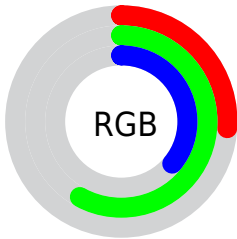
Format	Color
RYB	66, 129, 148
Decimal	4363355
CIELab	55.17, -38.22, 22.78
CIElCh	55, 44.490, 149.202
Yxy	23.0934, 0.2865, 0.4493
Android (android.graphics.Color)	4282553435 (0xFF42945B)
YUV	116.9840, -12.8101, -44.7130
Hunter-Lab	48.0556, -29.3994, 16.8848

Details

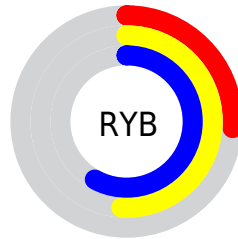
The Yxy color **23.0934, 0.2865, 0.4493** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.6243, 0.3590, 0.2352**, and the grayscale version is **17.8329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.6579, 0.2934, 0.4201**, and **8.5476, 0.2732, 0.5036** is the 20% darker color. If you saturate the color by 10%, you get **22.4794, 0.2843, 0.4755**, and if you desaturate by 10%, it is **23.8667, 0.2899, 0.4237**.

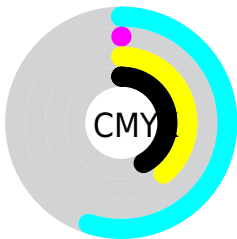
Distribution



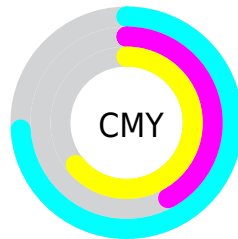
- Red (26%)
- Green (58%)
- Blue (36%)



- Red (26%)
- Yellow (51%)
- Blue (58%)



- Cyan (55%)
- Magenta (0%)
- Yellow (39%)
- Black (42%)




- Cyan (74%)
- Magenta (42%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0934, 0.2865, 0.4493 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 23.0934, 0.2865, 0.4493 by changing the saturation by 10% instead.


 23.0934, 0.2865,
0.4493


 23.0934, 0.2865,
0.4493

268.2044, 0.3033,
0.3781


 14.6625, 0.2804,
0.4719


 48.5466, 0.2938,
0.4202


 8.5829, 0.2710,
0.5047


 66.3378, 0.2962,
0.4103


 4.4701, 0.2551,
0.5555

 88.0177, 0.2980,
0.4023

 1.9399, 0.2336,
0.6833

 113.9710, 0.2995,
0.3958

 0.5722, 0.0000,
1.0000

 144.5819, 0.3007,
0.3903

 0.0000, 0.0000,
0.0000

180.2348, 0.3017,

0.3856

221.3142, 0.3026,
0.3816

■ 23.0934, 0.2865,
0.4493

■ 23.0934, 0.2865,
0.4493

■ 22.4794, 0.2843,
0.4755

■ 23.8667, 0.2899,
0.4237

■ 22.0104, 0.2835,
0.5012

■ 24.8067, 0.2942,
0.3994

■ 21.6741, 0.2843,
0.5252

■ 25.9238, 0.2991,
0.3769

■ 21.4532, 0.2866,
0.5466

■ 27.2266, 0.3044,
0.3564

■ 21.3706, 0.2876,
0.5555

■ 28.7234, 0.3098,
0.3380

■ 30.4217, 0.3152,
0.3218

■ 32.3286, 0.3205,
0.3074

■ 34.4512, 0.3255,
0.2949

■ 36.7958, 0.3304,
0.2840

Harmonies

Analogous

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



23.0934, 0.3614, 0.4739



23.0934, 0.2865, 0.4493



23.0934, 0.2228, 0.3750

Triad

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



23.0934, 0.2865, 0.4493



23.0934, 0.2010, 0.2128



23.0934, 0.4582, 0.3371

Complementary

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



23.0934, 0.2865, 0.4493



11.6243, 0.3590, 0.2352

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.



23.0934, 0.4039, 0.2831



23.0934, 0.2865, 0.4493



23.0934, 0.2509, 0.2150

Square

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



23.0934, 0.2865, 0.4493



23.0934, 0.1791, 0.2375



23.0934, 0.3244, 0.2400



23.0934, 0.4650, 0.3947

Rectangle

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



23.0934, 0.2865, 0.4493



23.0934, 0.1947, 0.3187



23.0934, 0.3244, 0.2400



23.0934, 0.4448, 0.3184

Sweetspot

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



23.0943, 0.2865, 0.4493



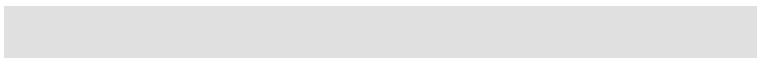
47.5662, 0.3033, 0.3602



25.8146, 0.3619, 0.4718



10.7616, 0.3024, 0.3638



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.0943, 0.2865, 0.4493



39.4848, 0.2840, 0.4805



23.9941, 0.2557, 0.3614



6.4958, 0.3077, 0.3448



18.2580, 0.2873, 0.5544



0.2282, 0.2647, 0.4729

Inverse Universe

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



11.6243, 0.3590, 0.2352



17.1847, 0.3732, 0.2198



10.8095, 0.4382, 0.3017



5.8794, 0.3181, 0.3137



6.2172, 0.4137, 0.2053



0.0814, 0.3632, 0.1775

Previews

White Background



This preview shows how the Yxy color 23.0934, 0.2865, 0.4493 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 23.0934, 0.2865, 0.4493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

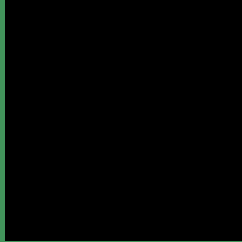
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0934, 0.2865, 0.4493

Background



This preview shows how black text looks on a background with the Yxy color 23.0934, 0.2865, 0.4493.



This preview shows how white text looks on a background with the Yxy color 23.0934, 0.2865, 0.4493.

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

23.0934, 0.2865, 0.4493

Protanopia

22.7123, 0.3797, 0.4098

Deuteranopia

22.7348, 0.3844, 0.3785



Tritanopia

23.1106, 0.2491, 0.3083

Trichromacy



Original Color

23.0934, 0.2865, 0.4493

Protanomaly

22.2243, 0.3389, 0.4247

Deuteranomaly

22.0693, 0.3425, 0.4039

Tritanomaly

23.0947, 0.2622, 0.3566

Monochromacy



Original Color

23.0934, 0.2865, 0.4493

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

19.1177, 0.2994, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0934, 0.2865, 0.4493 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(66, 148, 91)` looks like.

```
.text, #text, p{  
    color:rgb(66, 148, 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(66, 148, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 148, 91) }
```

Border

The CSS property to change the border of an element to Yxy 23.0934, 0.2865, 0.4493 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(66, 148, 91) }
```

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

```
.border{ border-color:rgb(66, 148, 91) }
```

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

Here you see how a box with a 4 pixel rgb(66, 148, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 148, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 148, 91);  
box-shadow:4px 4px 4px 4px rgb(66, 148,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0934, 0.2865, 0.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 148, 91) }
```

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

```
.background{ background-color: rgb(66, 148,  
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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