

Converting Colors

$Y_{xy}(23.6291, 0.2947, 0.4560)$

Have a look what the booklet for
Yxy(23.6291, 0.2947, 0.4560)
contains.

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Color

Yxy(23.6159, 0.2942, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	499558
RGB	73, 149, 88
RGB Percent	29%, 58%, 35%
CMY	0.7137, 0.4157, 0.6549
CMYK	0.51, 0.00, 0.41, 0.42
HSL	132°, 34%, 44%
HSV	132°, 51%, 58%
XYZ	15.2565, 23.6159, 12.9851
YIQ	119.3220, -25.7150, -35.0830

Conversions

Conversions Part 2

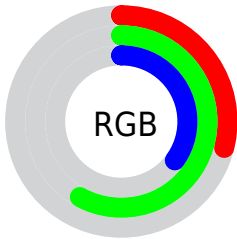
Format	Color
R_{YB}	73, 136, 149
Decimal	4822360
CIE _{Lab}	55.70, -37.32, 25.18
CIE _{LCh}	56, 45.022, 145.997
Yxy	23.6159, 0.2942, 0.4554
Android (android.graphics.Color)	4283012440 (0xFF499558)
YUV	119.3220, -15.4417, -40.6244
Hunter-Lab	48.5962, -29.0044, 18.1748

Details

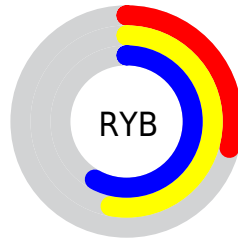
The Yxy color **23.6159, 0.2942, 0.4554** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.8771, 0.3408, 0.2300**, and the grayscale version is **18.6118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5618, 0.2999, 0.4246**, and **8.7806, 0.2809, 0.5125** is the 20% darker color. If you saturate the color by 10%, you get **22.9207, 0.2921, 0.4849**, and if you desaturate by 10%, it is **24.4851, 0.2971, 0.4264**.

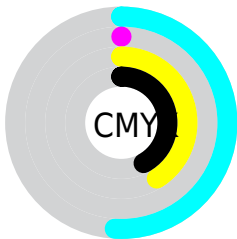
Distribution



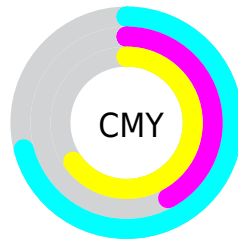
- Red (29%)
- Green (58%)
- Blue (35%)



- Red (29%)
- Yellow (53%)
- Blue (58%)



- Cyan (51%)
- Magenta (0%)
- Yellow (41%)
- Black (42%)





- Cyan (71%)
- Magenta (42%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6159, 0.2942, 0.4554 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 23.6159, 0.2942, 0.4554 by changing the saturation by 10% instead.

 23.6159, 0.2942,
0.4554


 23.6159, 0.2942,
0.4554


270.8728, 0.3069,
0.3809


 15.0489, 0.2892,
0.4789


 49.4027, 0.3000,
0.4250


 8.8537, 0.2811,
0.5126


 67.3913, 0.3018,
0.4146

 4.6459, 0.2669,
0.5645

 89.2892, 0.3031,
0.4063

 2.0410, 0.2543,
0.7003

 115.4809, 0.3042,
0.3994

 0.6312, 0.0000,
1.0000

 146.3507, 0.3051,
0.3936

 0.0000, 0.0000,
0.0000

182.2830, 0.3058,

0.3887

223.6623, 0.3064,
0.3845

■ 23.6159, 0.2942,
0.4554

■ 23.6159, 0.2942,
0.4554

■ 22.9207, 0.2921,
0.4849

■ 24.4851, 0.2971,
0.4264

■ 22.3847, 0.2910,
0.5137

■ 25.5358, 0.3006,
0.3990

■ 21.9959, 0.2911,
0.5400

■ 26.7789, 0.3044,
0.3738

■ 21.7386, 0.2924,
0.5622

■ 28.2233, 0.3084,
0.3511

■ 21.5864, 0.2939,
0.5782

■ 29.8775, 0.3123,
0.3309

■ 31.7495, 0.3162,
0.3131

■ 33.8468, 0.3198,
0.2976

■ 36.1767, 0.3233,
0.2841

■ 38.7460, 0.3265,
0.2724

Harmonies

Analogous

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



23.6159, 0.3694, 0.4737



23.6159, 0.2942, 0.4554



23.6159, 0.2281, 0.3844

Triad

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



23.6159, 0.2942, 0.4554



23.6159, 0.1969, 0.2136



23.6159, 0.4551, 0.3310

Complementary

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



23.6159, 0.2942, 0.4554



12.8771, 0.3408, 0.2300

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.



23.6159, 0.3964, 0.2776



23.6159, 0.2942, 0.4554



23.6159, 0.2440, 0.2132

Square

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



23.6159, 0.2942, 0.4554



23.6159, 0.1779, 0.2416



23.6159, 0.3158, 0.2360



23.6159, 0.4673, 0.3887

Rectangle

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



23.6159, 0.2942, 0.4554



23.6159, 0.1979, 0.3273



23.6159, 0.3158, 0.2360



23.6159, 0.4399, 0.3124

Sweetspot

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



23.6169, 0.2942, 0.4554



49.3849, 0.3067, 0.3605



27.1335, 0.3691, 0.4562



10.8359, 0.3059, 0.3649



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.



23.6169, 0.2942, 0.4554



40.9130, 0.2919, 0.4886



24.3914, 0.2655, 0.3766



6.4860, 0.3091, 0.3473



18.1709, 0.2937, 0.5772



0.2258, 0.2751, 0.5103

Inverse Universe

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



12.8771, 0.3408, 0.2300



19.4749, 0.3489, 0.2120



12.0199, 0.4061, 0.2882



5.8898, 0.3165, 0.3114



6.5153, 0.3766, 0.1848



0.0838, 0.3461, 0.1680

Previews

White Background



This preview shows how the Yxy color 23.6159, 0.2942, 0.4554 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 23.6159, 0.2942, 0.4554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

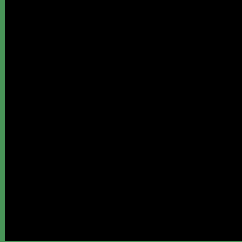
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6159, 0.2942, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 23.6159, 0.2942, 0.4554.



This preview shows how white text looks on a background with the Yxy color 23.6159, 0.2942, 0.4554.

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

23.6159, 0.2942, 0.4554

Protanopia

23.4040, 0.3831, 0.4153

Deuteranopia

23.2382, 0.3912, 0.3841



Tritanopia

23.4244, 0.2527, 0.3067

Trichromacy



Original Color

23.6159, 0.2942, 0.4554

Protanomaly

23.0273, 0.3458, 0.4318

Deuteranomaly

22.5953, 0.3501, 0.4098

Tritanomaly

23.3705, 0.2683, 0.3583

Monochromacy



Original Color

23.6159, 0.2942, 0.4554

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.8728, 0.3039, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6159, 0.2942, 0.4554 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(73, 149, 88)` looks like.

```
.text, #text, p{  
    color:rgb(73, 149, 88)  
}
```

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(73, 149, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 149, 88) }
```

Border

The CSS property to change the border of an element to Yxy 23.6159, 0.2942, 0.4554 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(73, 149, 88) }
```

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

```
.border{ border-color:rgb(73, 149, 88) }
```

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

Here you see how a box with a 4 pixel rgb(73, 149, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 149, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 149, 88);  
box-shadow:4px 4px 4px 4px rgb(73, 149,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6159, 0.2942, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 149, 88) }
```

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

```
.background{ background-color: rgb(73, 149,  
88) }
```

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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