

Converting Colors

$Y_{xy}(23.7858, 0.2965, 0.4579)$

Have a look what the booklet for
Yxy(23.7858, 0.2965, 0.4579)
contains.

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Color

Yxy(23.6789, 0.2966, 0.4569)

Conversions

Conversions Part 1

Format	Color
Hex	4B9557
RGB	75, 149, 87
RGB Percent	29%, 58%, 34%
CMY	0.7057, 0.4157, 0.6589
CMYK	0.50, 0.00, 0.42, 0.42
HSL	130°, 33%, 44%
HSV	130°, 50%, 58%
XYZ	15.3713, 23.6789, 12.7749
YIQ	119.8060, -24.2020, -34.9700

Conversions

Conversions Part 2

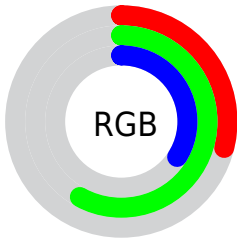
Format	Color
R_{YB}	75, 139, 149
Decimal	4953431
CIE _{Lab}	55.76, -36.92, 25.82
CIE _{LCh}	56, 45.053, 145.030
Yxy	23.6789, 0.2966, 0.4569
Android (android.graphics.Color)	4283143511 (0xFF4B9557)
YUV	119.8060, -16.1734, -39.2949
Hunter-Lab	48.6610, -28.7710, 18.4974

Details

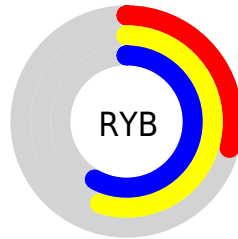
The Yxy color **23.6789, 0.2966, 0.4569** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.2345, 0.3357, 0.2286**, and the grayscale version is **18.7788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6878, 0.3019, 0.4258**, and **8.8127, 0.2843, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **22.9606, 0.2945, 0.4875**, and if you desaturate by 10%, it is **24.5752, 0.2993, 0.4269**.

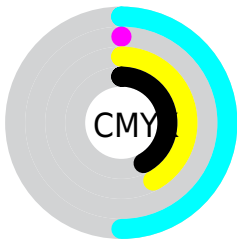
Distribution



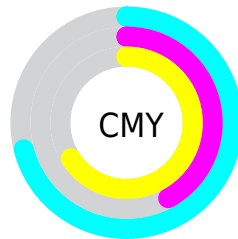
- Red (29%)
- Green (58%)
- Blue (34%)



- Red (29%)
- Yellow (55%)
- Blue (58%)



- Cyan (50%)
- Magenta (0%)
- Yellow (42%)
- Black (42%)





- Cyan (71%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6789, 0.2966, 0.4569 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 23.6789, 0.2966, 0.4569 by changing the saturation by 10% instead.


 23.6789, 0.2966,
0.4569


 23.6789, 0.2966,
0.4569


271.1931, 0.3080,
0.3815


 15.0956, 0.2919,
0.4806


 49.5057, 0.3019,
0.4262

 8.8865, 0.2843,
0.5146


 67.5180, 0.3035,
0.4157

 4.6672, 0.2705,
0.5667

 89.4421, 0.3047,
0.4073

 2.0534, 0.2607,
0.7066

 115.6623, 0.3057,
0.4003

 0.6382, 0.0000,
1.0000

 146.5632, 0.3065,
0.3945

 0.0000, 0.0000,
0.0000

182.5290, 0.3071,

0.3895

223.9441, 0.3076,
0.3853

■ 23.6789, 0.2966,
0.4569

■ 23.6789, 0.2966,
0.4569

■ 22.9606, 0.2945,
0.4875

■ 24.5752, 0.2993,
0.4269

■ 22.4057, 0.2933,
0.5171

■ 25.6573, 0.3025,
0.3985

■ 22.0017, 0.2932,
0.5440


■ 26.9360, 0.3059,
0.3725


■ 21.7335, 0.2941,
0.5664


■ 28.4205, 0.3094,
0.3490

■ 21.5661, 0.2955,
0.5833


■ 30.1192, 0.3128,
0.3283

 21.5607, 0.2955,
0.5839

 32.0404, 0.3161,
0.3101

 34.1916, 0.3193,
0.2942

 36.5802, 0.3222,
0.2805

 39.2131, 0.3249,
0.2686

Harmonies

Analogous

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



23.6789, 0.3717, 0.4733



23.6789, 0.2966, 0.4569



23.6789, 0.2299, 0.3872

Triad

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



23.6789, 0.2966, 0.4569



23.6789, 0.1959, 0.2141



23.6789, 0.4538, 0.3292

Complementary

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



23.6789, 0.2966, 0.4569



13.2345, 0.3357, 0.2286

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.



23.6789, 0.3940, 0.2761



23.6789, 0.2966, 0.4569



23.6789, 0.2420, 0.2128

Square

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



23.6789, 0.2966, 0.4569



23.6789, 0.1778, 0.2430



23.6789, 0.3132, 0.2350



23.6789, 0.4677, 0.3868

Rectangle

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



23.6789, 0.2966, 0.4569



23.6789, 0.1990, 0.3300



23.6789, 0.3132, 0.2350



23.6789, 0.4382, 0.3106

Sweetspot

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



23.6799, 0.2966, 0.4569



49.3457, 0.3074, 0.3620



27.3981, 0.3707, 0.4517



10.8263, 0.3068, 0.3665



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.



23.6799, 0.2966, 0.4569



40.9444, 0.2943, 0.4923



24.4248, 0.2683, 0.3802



6.4828, 0.3096, 0.3481



18.1499, 0.2953, 0.5830



0.2250, 0.2790, 0.5243

Inverse Universe

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



13.2345, 0.3357, 0.2286



19.9192, 0.3426, 0.2092



12.3651, 0.3977, 0.2850



5.8933, 0.3160, 0.3106



6.6259, 0.3653, 0.1786



0.0846, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 23.6789, 0.2966, 0.4569 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 23.6789, 0.2966, 0.4569 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 23.6789, 0.2966, 0.4569

Background



This preview shows how black text looks on a background with the Yxy color 23.6789, 0.2966, 0.4569.



This preview shows how white text looks on a background with the Yxy color 23.6789, 0.2966, 0.4569.

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

23.6789, 0.2966, 0.4569

Protanopia

23.3889, 0.3841, 0.4169

Deuteranopia

23.2206, 0.3924, 0.3857



Tritanopia

23.5233, 0.2542, 0.3068

Trichromacy



Original Color

23.6789, 0.2966, 0.4569

Protanomaly

23.0828, 0.3479, 0.4332

Deuteranomaly

22.6553, 0.3524, 0.4112

Tritanomaly

23.4628, 0.2699, 0.3582

Monochromacy



Original Color

23.6789, 0.2966, 0.4569

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

20.2584, 0.3061, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6789, 0.2966, 0.4569 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(75, 149, 87)` looks like.

```
.text, #text, p{  
    color:rgb(75, 149, 87)  
}
```

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(75, 149, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 149, 87) }
```

Border

The CSS property to change the border of an element to Yxy 23.6789, 0.2966, 0.4569 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(75, 149, 87) }
```

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

```
.border{ border-color:rgb(75, 149, 87) }
```

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

Here you see how a box with a 4 pixel rgb(75, 149, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 149, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 149, 87);  
box-shadow:4px 4px 4px 4px rgb(75, 149,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6789, 0.2966, 0.4569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 149, 87) }
```

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

```
.background{ background-color: rgb(75, 149,  
87) }
```

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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