

Converting Colors

$Y_{xy}(23.6032, 0.2965, 0.4347)$

Have a look what the booklet for
Yxy(23.6032, 0.2965, 0.4347)
contains.

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Color

$\text{Yxy}(23.5327, 0.2969, 0.4348)$

Conversions

Conversions Part 1

Format	Color
Hex	53935F
RGB	83, 147, 95
RGB Percent	33%, 58%, 37%
CMY	0.6743, 0.4235, 0.6275
CMYK	0.44, 0.00, 0.35, 0.42
HSL	131°, 28%, 45%
HSV	131°, 44%, 58%
XYZ	16.0691, 23.5327, 14.5212
YIQ	121.9360, -21.4520, -29.7400

Conversions

Conversions Part 2

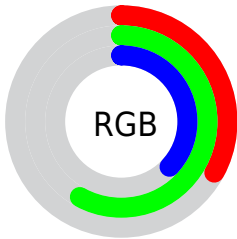
Format	Color
RYB	83, 137, 147
Decimal	5477215
CIELab	55.62, -32.22, 21.29
CIELCh	56, 38.620, 146.538
Yxy	23.5327, 0.2969, 0.4348
Android (android.graphics.Color)	4283667295 (0xFF53935F)
YUV	121.9360, -13.2794, -34.1469
Hunter-Lab	48.5105, -25.7652, 16.2094

Details

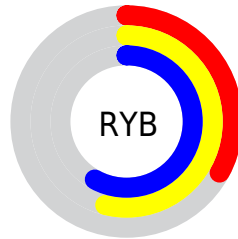
The Yxy color $23.5327, 0.2969, 0.4348$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.1460, 0.3346, 0.2427$, and the grayscale version is $19.4929, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.0829, 0.3017, 0.4088$, and $8.8552, 0.2864, 0.4829$ is the 20% darker color. If you saturate the color by 10%, you get $22.7331, 0.2942, 0.4643$, and if you desaturate by 10%, it is $24.5094, 0.3002, 0.4066$.

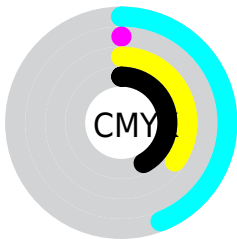
Distribution



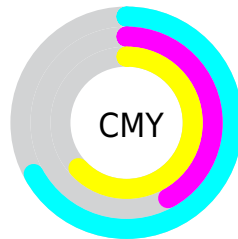
- Red (33%)
- Green (58%)
- Blue (37%)



- Red (33%)
- Yellow (54%)
- Blue (58%)



- Cyan (44%)
- Magenta (0%)
- Yellow (35%)
- Black (42%)




- Cyan (67%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5327, 0.2969, 0.4348 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 23.5327, 0.2969, 0.4348 by changing the saturation by 10% instead.


 23.5327, 0.2969,
0.4348


 23.5327, 0.2969,
0.4348


270.4494, 0.3074,
0.3728


 14.9873, 0.2929,
0.4543


 49.2666, 0.3016,
0.4096


 8.8105, 0.2867,
0.4822


 67.2238, 0.3031,
0.4010


 4.6178, 0.2757,
0.5254

 89.0872, 0.3042,
0.3940

 2.0248, 0.2616,
0.6182

 115.2411, 0.3051,
0.3883

 0.6218, 0.0000,
1.0000

 146.0698, 0.3058,
0.3835

 0.0000, 0.0000,
0.0000

181.9579, 0.3065,

0.3794

223.2896, 0.3070,
0.3759

■ 23.5327, 0.2969,
0.4348

■ 23.5327, 0.2969,
0.4348

■ 22.7331, 0.2942,
0.4643

■ 24.5094, 0.3002,
0.4066

■ 22.0972, 0.2924,
0.4941

■ 25.6699, 0.3038,
0.3805

■ 21.6141, 0.2915,
0.5225


■ 27.0241, 0.3076,
0.3569

■ 21.2706, 0.2919,
0.5479


■ 28.5805, 0.3114,
0.3358

■ 21.0510, 0.2934,
0.5688


■ 30.3469, 0.3151,
0.3172

 20.9480, 0.2944,
0.5797

 32.3307, 0.3187,
0.3010

 34.5390, 0.3220,
0.2869

 36.9786, 0.3252,
0.2746

 39.6559, 0.3281,
0.2640

Harmonies

Analogous

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



23.5327, 0.3625, 0.4532



23.5327, 0.2969, 0.4348



23.5327, 0.2390, 0.3752

Triad

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



23.5327, 0.2969, 0.4348



23.5327, 0.2117, 0.2278



23.5327, 0.4356, 0.3334

Complementary

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



23.5327, 0.2969, 0.4348



14.1460, 0.3346, 0.2427

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.



23.5327, 0.3860, 0.2853



23.5327, 0.2969, 0.4348



23.5327, 0.2542, 0.2272

Square

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



23.5327, 0.2969, 0.4348



23.5327, 0.1942, 0.2532



23.5327, 0.3173, 0.2478



23.5327, 0.4465, 0.3845

Rectangle

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



23.5327, 0.2969, 0.4348



23.5327, 0.2121, 0.3274



23.5327, 0.3173, 0.2478



23.5327, 0.4227, 0.3166

Sweetspot

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



23.5337, 0.2969, 0.4348



48.4613, 0.3077, 0.3563



26.6653, 0.3619, 0.4380



10.9425, 0.3069, 0.3609



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.



23.5337, 0.2969, 0.4348



40.7702, 0.2943, 0.4630



24.2331, 0.2709, 0.3684



6.4851, 0.3092, 0.3475



18.1644, 0.2941, 0.5789



0.2256, 0.2762, 0.5143

Inverse Universe

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



14.1460, 0.3346, 0.2427



21.7323, 0.3409, 0.2254



13.3808, 0.3863, 0.2938



5.8908, 0.3164, 0.3112



6.5466, 0.3733, 0.1830



0.0840, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 23.5327, 0.2969, 0.4348 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 23.5327, 0.2969, 0.4348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

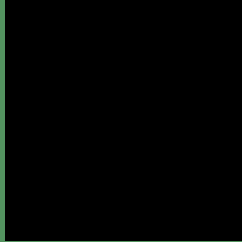
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5327, 0.2969, 0.4348

Background



This preview shows how black text looks on a background with the Yxy color 23.5327, 0.2969, 0.4348.



This preview shows how white text looks on a background with the Yxy color 23.5327, 0.2969, 0.4348.

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

23.5327, 0.2969, 0.4348

Protanopia

23.4256, 0.3743, 0.4043

Deuteranopia

23.1475, 0.3815, 0.3750



Tritanopia

23.4234, 0.2594, 0.3087

Trichromacy



Original Color

23.5327, 0.2969, 0.4348

Protanomaly

23.0699, 0.3429, 0.4163

Deuteranomaly

22.5992, 0.3455, 0.3947

Tritanomaly

23.5078, 0.2730, 0.3520

Monochromacy



Original Color

23.5327, 0.2969, 0.4348

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.5906, 0.3064, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5327, 0.2969, 0.4348 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(83, 147, 95)` looks like.

```
.text, #text, p{  
    color:rgb(83, 147, 95)  
}
```

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(83, 147, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 147, 95) }
```

Border

The CSS property to change the border of an element to Yxy 23.5327, 0.2969, 0.4348 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(83, 147, 95) }
```

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

```
.border{ border-color:rgb(83, 147, 95) }
```

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

Here you see how a box with a 4 pixel rgb(83, 147, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 147, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 147, 95);  
box-shadow:4px 4px 4px 4px rgb(83, 147,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5327, 0.2969, 0.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 147, 95) }
```

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

```
.background{ background-color: rgb(83, 147,  
95) }
```

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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