

Converting Colors

$Y_{xy}(23.2327, 0.2884, 0.3911)$

Have a look what the booklet for
Yxy(23.2327, 0.2884, 0.3911)
contains.

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Color

$Y_{xy}(23.2900, 0.2885, 0.3926)$

Conversions

Conversions Part 1

Format	Color
Hex	5A9070
RGB	90, 144, 112
RGB Percent	35%, 56%, 44%
CMY	0.6470, 0.4353, 0.5608
CMYK	0.37, 0.00, 0.22, 0.44
HSL	144°, 23%, 46%
HSV	144°, 37%, 56%
XYZ	17.1145, 23.2900, 18.9179
YIQ	124.2060, -21.9120, -21.4000

Conversions

Conversions Part 2

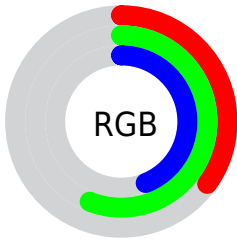
Format	Color
R_{YB}	90, 128, 144
Decimal	5935216
CIE _{Lab}	55.37, -25.28, 11.45
CIE _{LCh}	55, 27.756, 155.636
Yxy	23.2900, 0.2885, 0.3926
Android (android.graphics.Color)	4284125296 (0xFF5A9070)
YUV	124.2060, -6.0176, -29.9987
Hunter-Lab	48.2597, -21.1523, 10.5400

Details

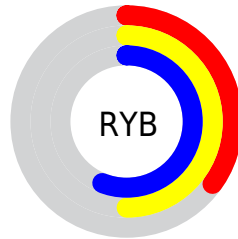
The Yxy color **23.2900, 0.2885, 0.3926** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6501, 0.3485, 0.2734**, and the grayscale version is **20.2552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8193, 0.2940, 0.3772**, and **8.6500, 0.2776, 0.4202** is the 20% darker color. If you saturate the color by 10%, you get **22.4560, 0.2834, 0.4134**, and if you desaturate by 10%, it is **24.2838, 0.2944, 0.3733**.

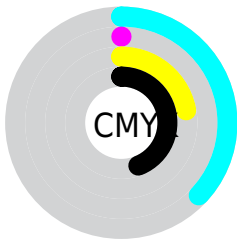
Distribution



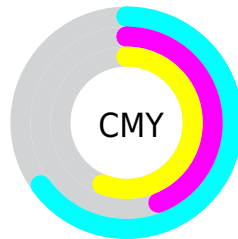
- Red (35%)
- Green (56%)
- Blue (44%)



- Red (35%)
- Yellow (50%)
- Blue (56%)



- Cyan (37%)
- Magenta (0%)
- Yellow (22%)
- Black (44%)




- Cyan (65%)
- Magenta (44%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2900, 0.2885, 0.3926 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 23.2900, 0.2885, 0.3926 by changing the saturation by 10% instead.


 23.2900, 0.2885,
0.3926


 23.2900, 0.2885,
0.3926


269.2110, 0.3026,
0.3558


 14.8078, 0.2841,
0.4040


 48.8691, 0.2942,
0.3778


 8.6846, 0.2776,
0.4203


 66.7347, 0.2962,
0.3727

 4.5360, 0.2676,
0.4455

 88.4970, 0.2978,
0.3685

 1.9777, 0.2499,
0.4892

 114.5402, 0.2991,
0.3651

 0.5945, 0.0000,
1.0000

145.2488, 0.3002,
0.3622

 0.0000, 0.0000,
0.0000

181.0073, 0.3011,

0.3598

222.1998, 0.3019,
0.3577

■ 23.2900, 0.2885,
0.3926

■ 23.2900, 0.2885,
0.3926

■ 22.4560, 0.2834,
0.4134

■ 24.2838, 0.2944,
0.3733

■ 21.7705, 0.2794,
0.4353

■ 25.4426, 0.3009,
0.3557

■ 21.2248, 0.2768,
0.4578

■ 26.7747, 0.3076,
0.3398

■ 20.8084, 0.2759,
0.4803

■ 28.2869, 0.3144,
0.3256

■ 20.5090, 0.2767,
0.5020

■ 29.9860, 0.3212,
0.3130

■ 20.3046, 0.2791,
0.5222

■ 31.8780, 0.3278,
0.3020

■ 20.2587, 0.2797,
0.5270

■ 33.9690, 0.3341,
0.2923

■ 36.2646, 0.3402,
0.2838

■ 38.7701, 0.3460,
0.2764

Harmonies

Analogous

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



23.2900, 0.3366, 0.4164



23.2900, 0.2885, 0.3926



23.2900, 0.2489, 0.3473

Triad

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



23.2900, 0.2885, 0.3926



23.2900, 0.2455, 0.2516



23.2900, 0.4068, 0.3462

Complementary

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



23.2900, 0.2885, 0.3926



14.6501, 0.3485, 0.2734

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.



23.2900, 0.3787, 0.3079



23.2900, 0.2885, 0.3926



23.2900, 0.2833, 0.2556

Square

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



23.2900, 0.2885, 0.3926



23.2900, 0.2259, 0.2663



23.2900, 0.3322, 0.2757



23.2900, 0.4069, 0.3836

Rectangle

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



23.2900, 0.2885, 0.3926



23.2900, 0.2320, 0.3148



23.2900, 0.3322, 0.2757



23.2900, 0.4003, 0.3331

Sweetspot

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



23.2910, 0.2885, 0.3926



46.3091, 0.3051, 0.3455



24.8528, 0.3421, 0.4272



10.5548, 0.3043, 0.3474



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.



23.2910, 0.2885, 0.3926



39.8193, 0.2841, 0.4100



23.9739, 0.2662, 0.3391



6.0635, 0.3065, 0.3423



17.6457, 0.2794, 0.5260



0.1729, 0.2563, 0.4428

Inverse Universe

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



14.6501, 0.3485, 0.2734



22.3050, 0.3598, 0.2610



14.0779, 0.3914, 0.3196



5.4744, 0.3195, 0.3160



5.7447, 0.4527, 0.2267



0.0593, 0.3826, 0.1881

Previews

White Background



This preview shows how the Yxy color 23.2900, 0.2885, 0.3926 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 23.2900, 0.2885, 0.3926 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 23.2900, 0.2885, 0.3926

Background



This preview shows how black text looks on a background with the Yxy color 23.2900, 0.2885, 0.3926.



This preview shows how white text looks on a background with the Yxy color 23.2900, 0.2885, 0.3926.

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

23.2900, 0.2885, 0.3926

Protanopia

23.1186, 0.3509, 0.3744

Deuteranopia

23.0190, 0.3548, 0.3475



Tritanopia

23.2639, 0.2625, 0.3088

Trichromacy



Original Color

23.2900, 0.2885, 0.3926

Protanomaly

22.8286, 0.3260, 0.3809

Deuteranomaly

22.6800, 0.3274, 0.3615

Tritanomaly

23.2602, 0.2718, 0.3384

Monochromacy



Original Color

23.2900, 0.2885, 0.3926

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

21.0334, 0.3027, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2900, 0.2885, 0.3926 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(90, 144, 112)` looks like.

```
.text, #text, p{  
    color:rgb(90, 144, 112)  
}
```

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(90, 144, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 144, 112) }
```

Border

The CSS property to change the border of an element to Yxy 23.2900, 0.2885, 0.3926 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(90, 144, 112) }
```

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

```
.border{ border-color:rgb(90, 144, 112) }
```

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

Here you see how a box with a 4 pixel rgb(90, 144, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 144, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 144, 112);  
box-shadow:4px 4px 4px 4px rgb(90, 144,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2900, 0.2885, 0.3926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 144, 112) }
```

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

```
.background{ background-color: rgb(90, 144,  
112) }
```

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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