

Converting Colors

$Y_{xy}(23.2941, 0.2929, 0.3605)$

Have a look what the booklet for
Yxy(23.2941, 0.2929, 0.3605)
contains.

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Color

$\text{Yxy}(23.2504, 0.2935, 0.3612)$

Conversions

Conversions Part 1

Format	Color
Hex	6A8C7B
RGB	106, 140, 123
RGB Percent	42%, 55%, 48%
CMY	0.5845, 0.4509, 0.5177
CMYK	0.24, 0.00, 0.12, 0.45
HSL	150°, 14%, 48%
HSV	150°, 24%, 55%
XYZ	18.8926, 23.2504, 22.2269
YIQ	127.8960, -14.8070, -12.4950

Conversions

Conversions Part 2

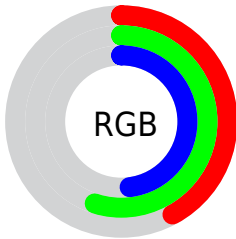
Format	Color
R_{YB}	106, 129, 140
Decimal	6982779
CIE _{Lab}	55.33, -15.65, 5.22
CIE _{LCh}	55, 16.500, 161.556
Y _{xy}	23.2504, 0.2935, 0.3612
Android (android.graphics.Color)	4285172859 (0xFF6A8C7B)
YUV	127.8960, -2.4137, -19.2028
Hunter-Lab	48.2187, -14.4446, 6.4227

Details

The Yxy color **23.2504, 0.2935, 0.3612** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.3053, 0.3376, 0.2989**, and the grayscale version is **21.5582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9478, 0.2982, 0.3549**, and **8.7063, 0.2867, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **22.2938, 0.2863, 0.3768**, and if you desaturate by 10%, it is **24.3615, 0.3012, 0.3470**.

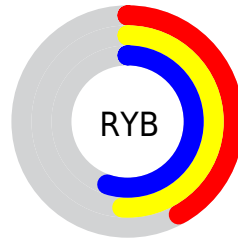
Distribution



Red (42%)

Green (55%)

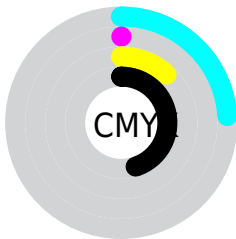
Blue (48%)



Red (42%)

Yellow (51%)

Blue (55%)

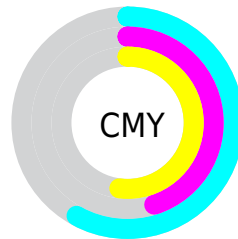


Cyan (24%)

Magenta (0%)

Yellow (12%)

Black (45%)



Cyan (58%)


Magenta (45%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2504, 0.2935, 0.3612 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 23.2504, 0.2935, 0.3612 by changing the saturation by 10% instead.

 23.2504, 0.2935,
0.3612


 23.2504, 0.2935,
0.3612

269.0085, 0.3044,
0.3429

 14.7785, 0.2902,
0.3667


 48.8042, 0.2978,
0.3539

 8.6641, 0.2856,
0.3745


 66.6548, 0.2993,
0.3514

 4.5227, 0.2787,
0.3864

 88.4005, 0.3006,
0.3493

 1.9701, 0.2670,
0.4066

 114.4257, 0.3016,
0.3476

 0.5900, 0.1708,
0.5640

145.1146, 0.3024,
0.3461

 0.0000, 0.0000,
0.0000

180.8518, 0.3032,

0.3449

222.0217, 0.3038,
0.3438

■ 23.2504, 0.2935,
0.3612

■ 23.2504, 0.2935,
0.3612

■ 22.2938, 0.2863,
0.3768

■ 24.3615, 0.3012,
0.3470

■ 21.4818, 0.2800,
0.3937

■ 25.6308, 0.3092,
0.3341

■ 20.8076, 0.2748,
0.4116

■ 27.0655, 0.3173,
0.3226

■ 20.2630, 0.2710,
0.4304

■ 28.6714, 0.3254,
0.3125

■ 19.8387, 0.2688,
0.4494

■ 30.4540, 0.3333,
0.3035

■ 19.5241, 0.2686,
0.4684

■ 32.4187, 0.3409,
0.2955

■ 19.3057, 0.2702,
0.4868

■ 34.5705, 0.3483,
0.2886

■ 19.2025, 0.2714,
0.4970

■ 36.9144, 0.3553,
0.2825

■ 39.4550, 0.3620,
0.2772

Harmonies

Analogous

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



23.2504, 0.3223, 0.3780



23.2504, 0.2935, 0.3612



23.2504, 0.2706, 0.3348

Triad

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



23.2504, 0.2935, 0.3612



23.2504, 0.2758, 0.2810



23.2504, 0.3698, 0.3457

Complementary

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



23.2504, 0.2935, 0.3612



17.3053, 0.3376, 0.2989

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.



23.2504, 0.3562, 0.3214



23.2504, 0.2935, 0.3612



23.2504, 0.3011, 0.2852

Square

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



23.2504, 0.2935, 0.3612



23.2504, 0.2607, 0.2888



23.2504, 0.3306, 0.2997



23.2504, 0.3671, 0.3672

Rectangle

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



23.2504, 0.2935, 0.3612



23.2504, 0.2613, 0.3164



23.2504, 0.3306, 0.2997



23.2504, 0.3669, 0.3376

Sweetspot

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



23.2514, 0.2935, 0.3612



44.5182, 0.3069, 0.3376



24.0096, 0.3284, 0.3913



10.2323, 0.3065, 0.3382



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.2514, 0.2935, 0.3612



40.0597, 0.2896, 0.3693



23.7154, 0.2781, 0.3289



5.6472, 0.3053, 0.3401



17.0628, 0.2711, 0.4961



0.1163, 0.2497, 0.4189

Inverse Universe

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



17.3053, 0.3376, 0.2989



27.7704, 0.3445, 0.2921



16.9155, 0.3613, 0.3291



5.0876, 0.3208, 0.3181



5.3508, 0.4903, 0.2474



0.0385, 0.4035, 0.1996

Previews

White Background



This preview shows how the Yxy color 23.2504, 0.2935, 0.3612 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 23.2504, 0.2935, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

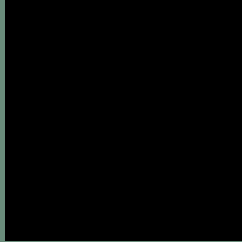
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2504, 0.2935, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 23.2504, 0.2935, 0.3612.



This preview shows how white text looks on a background with the Yxy color 23.2504, 0.2935, 0.3612.

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

23.2504, 0.2935, 0.3612

Protanopia

23.2377, 0.3339, 0.3517

Deuteranopia

23.1477, 0.3377, 0.3324



Tritanopia

23.3774, 0.2763, 0.3110

Trichromacy



Original Color

23.2504, 0.2935, 0.3612

Protanomaly

23.1196, 0.3182, 0.3561

Deuteranomaly

22.8887, 0.3202, 0.3414

Tritanomaly

23.2631, 0.2825, 0.3289

Monochromacy



Original Color

23.2504, 0.2935, 0.3612

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.0020, 0.3054, 0.3400

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2504, 0.2935, 0.3612 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(106, 140, 123)` looks like.

```
.text, #text, p{  
    color:rgb(106, 140, 123)  
}
```

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(106, 140, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 140, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.2504, 0.2935, 0.3612 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(106, 140, 123) }
```

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

```
.border{ border-color:rgb(106, 140, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 140, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 140, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 140, 123);  
box-shadow:4px 4px 4px 4px rgb(106, 140,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2504, 0.2935, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 140, 123) }
```

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

```
.background{ background-color: rgb(106,  
140, 123) }
```

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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