

Converting Colors

$Y_{xy}(23.2332, 0.2829, 0.3855)$

Have a look what the booklet for
Yxy(23.2332, 0.2829, 0.3855)
contains.

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Color

Yxy(23.2337, 0.2824, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	579074
RGB	87, 144, 116
RGB Percent	34%, 56%, 45%
CMY	0.6588, 0.4353, 0.5451
CMYK	0.40, 0.00, 0.19, 0.44
HSL	151°, 25%, 45%
HSV	151°, 40%, 56%
XYZ	17.0554, 23.2337, 20.1053
YIQ	123.7650, -24.9840, -20.7920

Conversions

Conversions Part 2

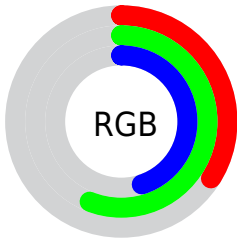
Format	Color
R_{YB}	87, 125, 144
Decimal	5738612
CIE _{Lab}	55.31, -25.36, 9.06
CIE _{LCh}	55, 26.933, 160.335
Yxy	23.2337, 0.2824, 0.3847
Android (android.graphics.Color)	4283928692 (0xFF579074)
YUV	123.7650, -3.8281, -32.2429
Hunter-Lab	48.2013, -21.1927, 9.0105

Details

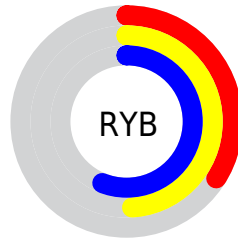
The Yxy color $23.2337, 0.2824, 0.3847$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $13.9838, 0.3604, 0.2799$, and the grayscale version is $20.0929, 0.3127, 0.3290$.

A 20% lighter version of the original color is $48.7043, 0.2892, 0.3716$, and $8.6211, 0.2689, 0.4078$ is the 20% darker color. If you saturate the color by 10%, you get $22.4508, 0.2765, 0.4019$, and if you desaturate by 10%, it is $24.1693, 0.2893, 0.3687$.

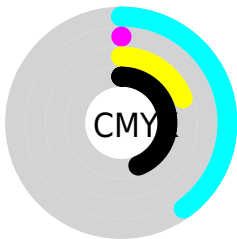
Distribution



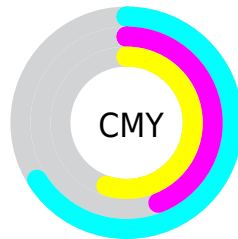
- Red (34%)
- Green (56%)
- Blue (45%)



- Red (34%)
- Yellow (49%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (44%)




- Cyan (66%)
- Magenta (44%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2337, 0.2824, 0.3847 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 23.2337, 0.2824, 0.3847 by changing the saturation by 10% instead.


 23.2337, 0.2824,
0.3847


 23.2337, 0.2824,
0.3847


268.9231, 0.2998,
0.3526


 14.7662, 0.2771,
0.3946


 48.7768, 0.2894,
0.3718


 8.6554, 0.2696,
0.4087


 66.6211, 0.2918,
0.3673


 4.5171, 0.2580,
0.4304

 88.3598, 0.2937,
0.3637

 1.9668, 0.2383,
0.4681

 114.3773, 0.2954,
0.3607

 0.5881, 0.0000,
0.9888

 145.0580, 0.2967,
0.3582

 0.0000, 0.0000,
0.0000

180.7863, 0.2979,

0.3561

221.9465, 0.2989,
0.3542

■ 23.2337, 0.2824,
0.3847

■ 23.2337, 0.2824,
0.3847

■ 22.4508, 0.2765,
0.4019

■ 24.1693, 0.2893,
0.3687

■ 21.8093, 0.2719,
0.4200

■ 25.2626, 0.2968,
0.3539

■ 21.3006, 0.2690,
0.4387

■ 26.5218, 0.3048,
0.3405


■ 20.9142, 0.2678,
0.4575


■ 27.9539, 0.3131,
0.3285

■ 20.6375, 0.2685,
0.4760

■ 29.5652, 0.3213,
0.3178


 20.4397, 0.2706,
0.4938

 31.3619, 0.3294,
0.3084

 20.4320, 0.2707,
0.4945

 33.3497, 0.3374,
0.3000

 35.5342, 0.3450,
0.2927

 37.9208, 0.3524,
0.2863

Harmonies

Analogous

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



23.2337, 0.3287, 0.4120



23.2337, 0.2824, 0.3847



23.2337, 0.2461, 0.3393

Triad

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



23.2337, 0.2824, 0.3847



23.2337, 0.2521, 0.2531



23.2337, 0.4060, 0.3518

Complementary

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



23.2337, 0.2824, 0.3847



13.9838, 0.3604, 0.2799

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.



23.2337, 0.3826, 0.3141



23.2337, 0.2824, 0.3847



23.2337, 0.2912, 0.2596

Square

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



23.2337, 0.2824, 0.3847



23.2337, 0.2299, 0.2645



23.2337, 0.3393, 0.2814



23.2337, 0.4017, 0.3874

Rectangle

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



23.2337, 0.2824, 0.3847



23.2337, 0.2315, 0.3084



23.2337, 0.3393, 0.2814



23.2337, 0.4011, 0.3391

Sweetspot

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



23.2347, 0.2824, 0.3847



46.1555, 0.3027, 0.3440



24.3148, 0.3371, 0.4353



10.5256, 0.3018, 0.3454



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.



23.2347, 0.2824, 0.3847



39.6716, 0.2768, 0.4008



23.9877, 0.2596, 0.3288



6.0723, 0.3052, 0.3400



17.7962, 0.2704, 0.4936



0.1746, 0.2491, 0.4168

Inverse Universe

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



13.9838, 0.3604, 0.2799



20.8844, 0.3771, 0.2685



13.4338, 0.4076, 0.3293



5.4655, 0.3210, 0.3182



5.5616, 0.4941, 0.2496



0.0576, 0.4056, 0.2008

Previews

White Background



This preview shows how the Yxy color 23.2337, 0.2824, 0.3847 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 23.2337, 0.2824, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

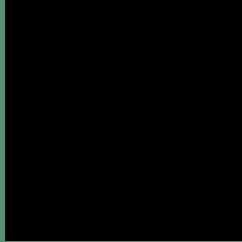
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2337, 0.2824, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 23.2337, 0.2824, 0.3847.



This preview shows how white text looks on a background with the Yxy color 23.2337, 0.2824, 0.3847.

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

23.2337, 0.2824, 0.3847

Protanopia

23.1173, 0.3452, 0.3675

Deuteranopia

22.9244, 0.3475, 0.3408



Tritanopia

23.1001, 0.2600, 0.3086

Trichromacy



Original Color

23.2337, 0.2824, 0.3847

Protanomaly

22.7712, 0.3195, 0.3736

Deuteranomaly

22.5426, 0.3195, 0.3545

Tritanomaly

23.1600, 0.2676, 0.3346

Monochromacy



Original Color

23.2337, 0.2824, 0.3847

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.9926, 0.3005, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2337, 0.2824, 0.3847 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(87, 144, 116)` looks like.

```
.text, #text, p{  
    color:rgb(87, 144, 116)  
}
```

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(87, 144, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 144, 116) }
```

Border

The CSS property to change the border of an element to Yxy 23.2337, 0.2824, 0.3847 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(87, 144, 116) }
```

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

```
.border{ border-color:rgb(87, 144, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 144, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 144, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 144, 116);  
box-shadow:4px 4px 4px 4px rgb(87, 144,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2337, 0.2824, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 144, 116) }
```

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

```
.background{ background-color: rgb(87, 144,  
116) }
```

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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