

Converting Colors

$Y_{xy}(23.3495, 0.2634, 0.3160)$

Have a look what the booklet for
Yxy(23.3495, 0.2634, 0.3160)
contains.

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Color

Yxy(23.3495, 0.2634, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	608C93
RGB	96, 140, 147
RGB Percent	38%, 55%, 58%
CMY	0.6238, 0.4509, 0.4236
CMYK	0.35, 0.05, 0.00, 0.42
HSL	188°, 21%, 48%
HSV	188°, 35%, 58%
XYZ	19.4628, 23.3495, 31.0785
YIQ	127.6420, -28.4710, -7.1510

Conversions

Conversions Part 2

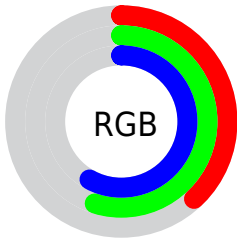
Format	Color
R _{YB}	96, 120, 147
Decimal	6327443
CIE Lab	55.43, -13.18, -8.53
CIE LCh	55, 15.699, 212.898
Yxy	23.3495, 0.2634, 0.3160
Android (android.graphics.Color)	4284517523 (0xFF608C93)
YUV	127.6420, 9.5435, -27.7500
Hunter-Lab	48.3213, -12.6661, -4.3082

Details

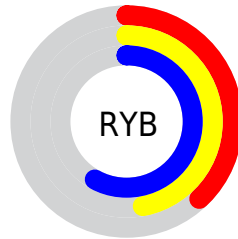
The Yxy color **23.3495, 0.2634, 0.3160** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.7286, 0.3874, 0.3415**, and the grayscale version is **21.4260, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0965, 0.2736, 0.3195**, and **8.7377, 0.2460, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **22.0455, 0.2512, 0.3117**, and if you desaturate by 10%, it is **24.8151, 0.2767, 0.3201**.

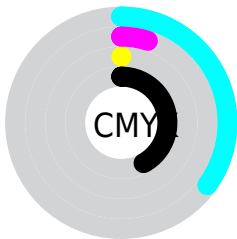
Distribution



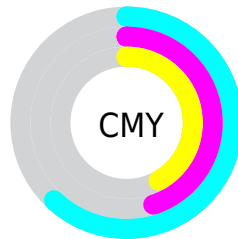
- Red (38%)
- Green (55%)
- Blue (58%)



- Red (38%)
- Yellow (47%)
- Blue (58%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (42%)




- Cyan (62%)
- Magenta (45%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3495, 0.2634, 0.3160 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 23.3495, 0.2634, 0.3160 by changing the saturation by 10% instead.


 23.3495, 0.2634,
0.3160


 23.3495, 0.2634,
0.3160


269.5150, 0.2905,
0.3237


 14.8518, 0.2557,
0.3136


 48.9666, 0.2739,
0.3191


 8.7154, 0.2452,
0.3101


 66.8547, 0.2776,
0.3202

 4.5560, 0.2301,
0.3047

 88.6418, 0.2807,
0.3211

 1.9892, 0.2064,
0.2952

 114.7122, 0.2833,
0.3218

 0.6012, 0.1171,
0.2821

145.4504, 0.2855,
0.3224

 0.0000, 0.0000,
0.0000

181.2406, 0.2874,

0.3229

222.4674, 0.2890,
0.3233

■ 23.3495, 0.2634,
0.3160

■ 23.3495, 0.2634,
0.3160

■ 22.0455, 0.2512,
0.3117

■ 24.8151, 0.2767,
0.3201

■ 20.8919, 0.2404,
0.3072

■ 26.4473, 0.2909,
0.3239

■ 19.8805, 0.2313,
0.3025

■ 28.2541, 0.3056,
0.3274

■ 19.0009, 0.2239,
0.2978

■ 30.2424, 0.3207,
0.3307

■ 18.2414, 0.2183,
0.2931

■ 32.4186, 0.3358,
0.3336

■ 17.5870, 0.2145,
0.2885

■ 34.7887, 0.3508,
0.3362

■ 17.2623, 0.2128,
0.2860

■ 37.3585, 0.3655,
0.3384

■ 40.1335, 0.3797,
0.3405

■ 43.1191, 0.3934,
0.3422

Harmonies

Analogous

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



23.3495, 0.2780, 0.3422



23.3495, 0.2634, 0.3160



23.3495, 0.2614, 0.2951

Triad

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



23.3495, 0.2634, 0.3160



23.3495, 0.3217, 0.2962



23.3495, 0.3537, 0.3750

Complementary

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



23.3495, 0.2634, 0.3160



16.7286, 0.3874, 0.3415

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.



23.3495, 0.3667, 0.3601



23.3495, 0.2634, 0.3160



23.3495, 0.3479, 0.3153

Square

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



23.3495, 0.2634, 0.3160



23.3495, 0.2940, 0.2850



23.3495, 0.3647, 0.3383



23.3495, 0.3298, 0.3775

Rectangle

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



23.3495, 0.2634, 0.3160



23.3495, 0.2673, 0.2866



23.3495, 0.3647, 0.3383



23.3495, 0.3595, 0.3712

Sweetspot

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



23.3504, 0.2634, 0.3160



48.7972, 0.2975, 0.3255



24.3209, 0.3021, 0.4155



11.0460, 0.2956, 0.3251



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.



23.3504, 0.2634, 0.3160



39.9032, 0.2534, 0.3125



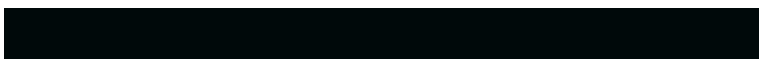
16.7737, 0.2570, 0.2665



6.4286, 0.2990, 0.3259



14.9950, 0.2129, 0.2863



0.2135, 0.2192, 0.3090

Inverse Universe

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



16.4511, 0.3258, 0.2559



25.7681, 0.3296, 0.2393



22.5541, 0.3730, 0.3842



5.8957, 0.3157, 0.3101



6.7071, 0.3577, 0.1744



0.0851, 0.3376, 0.1633

Previews

White Background



This preview shows how the Yxy color 23.3495, 0.2634, 0.3160 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 23.3495, 0.2634, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

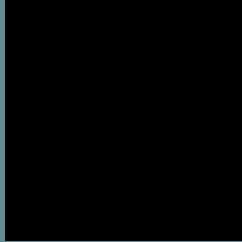
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3495, 0.2634, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 23.3495, 0.2634, 0.3160.



This preview shows how white text looks on a background with the Yxy color 23.3495, 0.2634, 0.3160.

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

23.3495, 0.2634, 0.3160

Protanopia

23.0911, 0.3023, 0.3101

Deuteranopia

23.1888, 0.3007, 0.2956



Tritanopia

23.2410, 0.2608, 0.3070

Trichromacy



Original Color

23.3495, 0.2634, 0.3160

Protanomaly

22.9857, 0.2866, 0.3112

Deuteranomaly

23.0508, 0.2858, 0.3028

Tritanomaly

23.2086, 0.2616, 0.3087

Monochromacy



Original Color

23.3495, 0.2634, 0.3160

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9648, 0.2920, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3495, 0.2634, 0.3160 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(96, 140, 147) looks like.

```
.text, #text, p{  
    color:rgb(96, 140, 147)  
}
```

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(96, 140, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 140, 147) }
```

Border

The CSS property to change the border of an element to Yxy 23.3495, 0.2634, 0.3160 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(96, 140, 147) }
```

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

```
.border{ border-color:rgb(96, 140, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 140, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 140, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 140, 147);  
box-shadow:4px 4px 4px 4px rgb(96, 140,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3495, 0.2634, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 140, 147) }
```

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

```
.background{ background-color: rgb(96, 140,  
147) }
```

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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