

Converting Colors

$Y_{xy}(23.5740, 0.2780, 0.3355)$

Have a look what the booklet for
Yxy(23.5740, 0.2780, 0.3355)
contains.

Yxy(23.4459, 0.2780, 0.3345)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.4459, 0.2780, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	678C89
RGB	103, 140, 137
RGB Percent	40%, 55%, 54%
CMY	0.5961, 0.4510, 0.4628
CMYK	0.26, 0.00, 0.02, 0.45
HSL	175°, 15%, 48%
HSV	175°, 26%, 55%
XYZ	19.4857, 23.4459, 27.1608
YIQ	128.5950, -21.0890, -8.7770

Conversions

Conversions Part 2

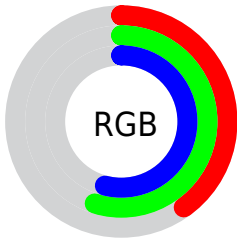
Format	Color
R_{YB}	103, 122, 140
Decimal	6786185
CIE _{Lab}	55.53, -13.49, -2.57
CIE _{LCh}	56, 13.733, 190.804
Yxy	23.4459, 0.2780, 0.3345
Android (android.graphics.Color)	4284976265 (0xFF678C89)
YUV	128.5950, 4.1437, -22.4468
Hunter-Lab	48.4210, -12.9043, 0.6371

Details

The Yxy color **23.4459, 0.2780, 0.3345** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.3162, 0.3624, 0.3237**, and the grayscale version is **21.7947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2698, 0.2857, 0.3343**, and **8.7847, 0.2650, 0.3375** is the 20% darker color. If you saturate the color by 10%, you get **22.6546, 0.2666, 0.3369**, and if you desaturate by 10%, it is **24.3781, 0.2905, 0.3323**.

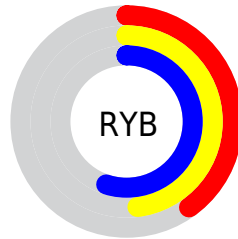
Distribution



Red (40%)

Green (55%)

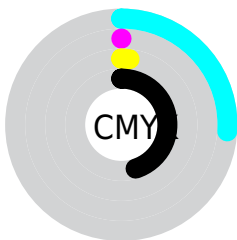
Blue (54%)



Red (40%)

Yellow (48%)

Blue (55%)

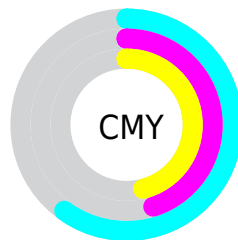


Cyan (26%)

Magenta (0%)

Yellow (2%)

Black (45%)



Cyan (60%)

Magenta (45%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.4459, 0.2780, 0.3345 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 23.4459, 0.2780, 0.3345 by changing the saturation by 10% instead.

■ 23.4459, 0.2780,
0.3345

■ 23.4459, 0.2780,
0.3345

270.0070, 0.2972,
0.3316

■ 14.9231, 0.2725,
0.3353

■ 49.1245, 0.2855,
0.3334

■ 8.7654, 0.2648,
0.3363

■ 67.0490, 0.2881,
0.3330

■ 4.5885, 0.2537,
0.3376

■ 88.8763, 0.2903,
0.3327

■ 2.0079, 0.2358,
0.3395

■ 114.9906, 0.2922,
0.3324

■ 0.6121, 0.1475,
0.3577

145.7765, 0.2937,
0.3322

■ 0.0000, 0.0000,
0.0000

181.6183, 0.2950,

0.3320

222.9003, 0.2962,
0.3318

■ 23.4459, 0.2780,
0.3345

■ 23.4459, 0.2780,
0.3345

■ 22.6546, 0.2666,
0.3369

■ 24.3781, 0.2905,
0.3323

■ 21.9944, 0.2566,
0.3394

■ 25.4548, 0.3038,
0.3302

■ 21.4588, 0.2482,
0.3420

■ 26.6828, 0.3177,
0.3284

■ 21.0395, 0.2415,
0.3446

■ 28.0680, 0.3320,
0.3267

■ 20.7274, 0.2366,
0.3473

■ 29.6157, 0.3464,
0.3252

■ 20.5116, 0.2335,
0.3500

■ 31.3309, 0.3606,
0.3238

■ 20.3750, 0.2320,
0.3527

■ 33.2187, 0.3747,
0.3227

■ 20.3320, 0.2316,
0.3536

■ 35.2837, 0.3884,
0.3217

■ 37.5305, 0.4016,
0.3208

Harmonies

Analogous

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



23.4459, 0.2974, 0.3560



23.4459, 0.2780, 0.3345



23.4459, 0.2678, 0.3123

Triad

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



23.4459, 0.2780, 0.3345



23.4459, 0.3025, 0.2921



23.4459, 0.3580, 0.3606

Complementary

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



23.4459, 0.2780, 0.3345



16.3162, 0.3624, 0.3237

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.



23.4459, 0.3598, 0.3427



23.4459, 0.2780, 0.3345



23.4459, 0.3271, 0.3041

Square

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



23.4459, 0.2780, 0.3345



23.4459, 0.2816, 0.2889



23.4459, 0.3483, 0.3223



23.4459, 0.3438, 0.3709

Rectangle

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



23.4459, 0.2780, 0.3345



23.4459, 0.2674, 0.3005



23.4459, 0.3483, 0.3223



23.4459, 0.3601, 0.3552

Sweetspot

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



23.4469, 0.2780, 0.3345



44.5263, 0.3015, 0.3306



22.8060, 0.3126, 0.4009



10.1977, 0.2996, 0.3308



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.



23.4469, 0.2780, 0.3345



40.4350, 0.2708, 0.3360



19.3391, 0.2727, 0.2995



5.6817, 0.3001, 0.3308



18.0657, 0.2315, 0.3535



0.1210, 0.2278, 0.3402

Inverse Universe

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



16.3162, 0.3624, 0.3237



25.5782, 0.3787, 0.3224



19.6101, 0.3600, 0.3567



5.0548, 0.3268, 0.3273



4.9778, 0.6275, 0.3230



0.0338, 0.5753, 0.2943

Previews

White Background



This preview shows how the Yxy color 23.4459, 0.2780, 0.3345 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 23.4459, 0.2780, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

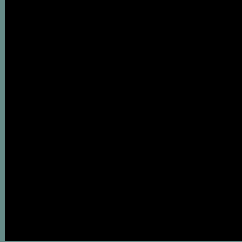
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

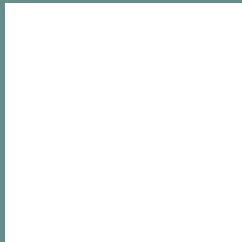
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.4459, 0.2780, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 23.4459, 0.2780, 0.3345.



This preview shows how white text looks on a background with the Yxy color 23.4459, 0.2780, 0.3345.

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

23.4459, 0.2780, 0.3345

Protanopia

23.3194, 0.3162, 0.3290

Deuteranopia

23.3154, 0.3170, 0.3123



Tritanopia

23.4111, 0.2701, 0.3091

Trichromacy



Original Color

23.4459, 0.2780, 0.3345

Protanomaly

23.2601, 0.3005, 0.3307

Deuteranomaly

23.1992, 0.3020, 0.3202

Tritanomaly

23.5128, 0.2728, 0.3180

Monochromacy



Original Color

23.4459, 0.2780, 0.3345

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4341, 0.2993, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4459, 0.2780, 0.3345 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(103, 140, 137)` looks like.

```
.text, #text, p{  
    color:rgb(103, 140, 137)  
}
```

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(103, 140, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 140, 137) }
```

Border

The CSS property to change the border of an element to Yxy 23.4459, 0.2780, 0.3345 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(103, 140, 137) }
```

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

```
.border{ border-color:rgb(103, 140, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 140, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 140, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 140, 137);  
box-shadow:4px 4px 4px 4px rgb(103, 140,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4459, 0.2780, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 140, 137) }
```

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

```
.background{ background-color: rgb(103,  
140, 137) }
```

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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