

Converting Colors

$Y_{xy}(23.8357, 0.2731, 0.3369)$

Have a look what the booklet for
Yxy(23.8357, 0.2731, 0.3369)
contains.

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Color

$Y_{xy}(23.7777, 0.2730, 0.3364)$

Conversions

Conversions Part 1

Format	Color
Hex	628E8A
RGB	98, 142, 138
RGB Percent	38%, 56%, 54%
CMY	0.6157, 0.4431, 0.4589
CMYK	0.31, 0.00, 0.03, 0.44
HSL	175°, 18%, 47%
HSV	175°, 31%, 56%
XYZ	19.2964, 23.7777, 27.6087
YIQ	128.3880, -24.9400, -10.5720

Conversions

Conversions Part 2

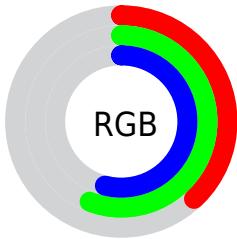
Format	Color
R_{YB}	98, 121, 142
Decimal	6459018
CIE _{Lab}	55.86, -15.89, -2.68
CIE _{LCh}	56, 16.120, 189.583
Yxy	23.7777, 0.2730, 0.3364
Android (android.graphics.Color)	4284649098 (0xFF628E8A)
YUV	128.3880, 4.7387, -26.6503
Hunter-Lab	48.7624, -14.6976, 0.5643

Details

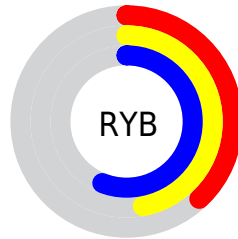
The Yxy color **23.7777, 0.2730, 0.3364** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **15.4474, 0.3735, 0.3219**, and the grayscale version is **21.7183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7255, 0.2816, 0.3357**, and **9.0118, 0.2589, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **23.0201, 0.2623, 0.3391**, and if you desaturate by 10%, it is **24.6778, 0.2849, 0.3338**.

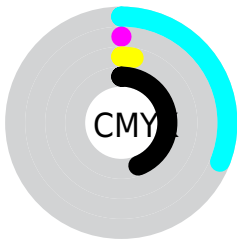
Distribution



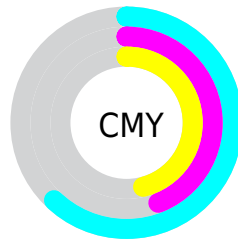
- Red (38%)
- Green (56%)
- Blue (54%)



- Red (38%)
- Yellow (47%)
- Blue (56%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)
- Black (44%)



- Cyan (62%)
- Magenta (44%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7777, 0.2730, 0.3364 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 23.7777, 0.2730, 0.3364 by changing the saturation by 10% instead.


 23.7777, 0.2730,
0.3364


 23.7777, 0.2730,
0.3364


271.6947, 0.2949,
0.3325


 15.1688, 0.2667,
0.3374


 49.6672, 0.2815,
0.3349


 8.9379, 0.2581,
0.3388


 67.7166, 0.2846,
0.3344

 4.7007, 0.2455,
0.3406

 89.6816, 0.2870,
0.3340

 2.0728, 0.2256,
0.3432

 115.9466, 0.2891,
0.3336

 0.6492, 0.1292,
0.3662

146.8960, 0.2909,
0.3332

 0.0000, 0.0000,
0.0000

182.9142, 0.2924,

0.3330

224.3857, 0.2938,
0.3327

■ 23.7777, 0.2730,
0.3364

■ 23.7777, 0.2730,
0.3364

■ 23.0201, 0.2623,
0.3391

■ 24.6778, 0.2849,
0.3338

■ 22.3948, 0.2531,
0.3420

■ 25.7244, 0.2978,
0.3314

■ 21.8945, 0.2455,
0.3450

■ 26.9249, 0.3114,
0.3292

■ 21.5104, 0.2397,
0.3480

■ 28.2853, 0.3254,
0.3272

■ 21.2322, 0.2357,
0.3511

■ 29.8114, 0.3396,
0.3254

■ 21.0480, 0.2335,
0.3541

■ 31.5084, 0.3538,
0.3238

■ 20.9326, 0.2325,
0.3568

■ 33.3818, 0.3678,
0.3224

■ 35.4363, 0.3815,
0.3212

■ 37.6767, 0.3948,
0.3202

Harmonies

Analogous

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



23.7777, 0.2958, 0.3616



23.7777, 0.2730, 0.3364



23.7777, 0.2608, 0.3102

Triad

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



23.7777, 0.2730, 0.3364



23.7777, 0.2996, 0.2858



23.7777, 0.3661, 0.3649

Complementary

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



23.7777, 0.2730, 0.3364



15.4474, 0.3735, 0.3219

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.



23.7777, 0.3676, 0.3437



23.7777, 0.2730, 0.3364



23.7777, 0.3282, 0.2994

Square

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



23.7777, 0.2730, 0.3364



23.7777, 0.2756, 0.2825



23.7777, 0.3535, 0.3201



23.7777, 0.3498, 0.3778

Rectangle

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



23.7777, 0.2730, 0.3364



23.7777, 0.2599, 0.2963



23.7777, 0.3535, 0.3201



23.7777, 0.3684, 0.3585

Sweetspot

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



23.7787, 0.2730, 0.3364



45.7198, 0.3002, 0.3310



23.0778, 0.3132, 0.4153



10.1534, 0.2984, 0.3313



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.



23.7787, 0.2730, 0.3364



40.9950, 0.2656, 0.3383



19.0670, 0.2659, 0.2951



6.1079, 0.3002, 0.3310



18.7945, 0.2324, 0.3567



0.1813, 0.2283, 0.3417

Inverse Universe

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



15.4474, 0.3735, 0.3219



23.9577, 0.3929, 0.3203



19.0330, 0.3705, 0.3605



5.4316, 0.3268, 0.3270



5.1908, 0.6262, 0.3223



0.0509, 0.5686, 0.2906

Previews

White Background



This preview shows how the Yxy color 23.7777, 0.2730, 0.3364 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 23.7777, 0.2730, 0.3364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

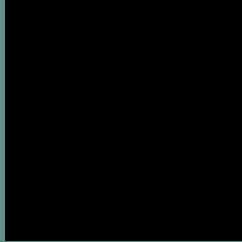
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7777, 0.2730, 0.3364

Background



This preview shows how black text looks on a background with the Yxy color 23.7777, 0.2730, 0.3364.



This preview shows how white text looks on a background with the Yxy color 23.7777, 0.2730, 0.3364.

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

23.7777, 0.2730, 0.3364

Protanopia

23.7028, 0.3161, 0.3290

Deuteranopia

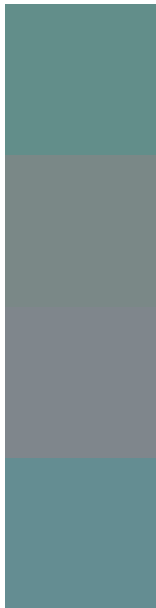
23.4632, 0.3160, 0.3091



Tritanopia

23.7572, 0.2644, 0.3090

Trichromacy



Original Color

23.7777, 0.2730, 0.3364

Protanomaly

23.4952, 0.2985, 0.3307

Deuteranomaly

23.4557, 0.2989, 0.3185

Tritanomaly

23.8344, 0.2679, 0.3197

Monochromacy



Original Color

23.7777, 0.2730, 0.3364

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.2229, 0.2960, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7777, 0.2730, 0.3364 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(98, 142, 138)` looks like.

```
.text, #text, p{  
  color:rgb(98, 142, 138)  
}
```

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(98, 142, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 142, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.7777, 0.2730, 0.3364 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(98, 142, 138) }
```

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

```
.border{ border-color:rgb(98, 142, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 142, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 142, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 142, 138);  
box-shadow:4px 4px 4px 4px rgb(98, 142,  
138) }
```


Background

The CSS property to change the background color of an element to $Yxy\ 23.7777, 0.2730, 0.3364$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 142, 138) }
```

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

```
.background{ background-color: rgb(98, 142,  
138) }
```

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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