

Converting Colors

$Y_{xy}(23.6721, 0.2819, 0.3328)$

Have a look what the booklet for
Yxy(23.6721, 0.2819, 0.3328)
contains.

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Color

Yxy(23.7793, 0.2818, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	6C8C8A
RGB	108, 140, 138
RGB Percent	42%, 55%, 54%
CMY	0.5765, 0.4509, 0.4589
CMYK	0.23, 0.00, 0.01, 0.45
HSL	176°, 13%, 49%
HSV	176°, 23%, 55%
XYZ	20.1473, 23.7793, 27.5685
YIQ	130.2040, -18.4300, -7.4060

Conversions

Conversions Part 2

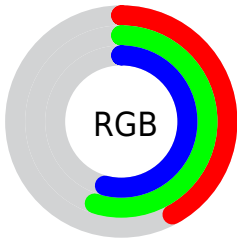
Format	Color
R_{YB}	108, 125, 140
Decimal	7113866
CIE _{Lab}	55.87, -11.64, -2.62
CIE _{LCh}	56, 11.935, 192.677
Yxy	23.7793, 0.2818, 0.3326
Android (android.graphics.Color)	4285303946 (0xFF6C8C8A)
YUV	130.2040, 3.8434, -19.4729
Hunter-Lab	48.7640, -11.5880, 0.6155

Details

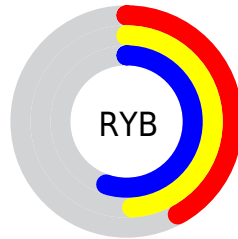
The Yxy color **23.7793, 0.2818, 0.3326** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4230, 0.3548, 0.3255**, and the grayscale version is **22.3891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8187, 0.2886, 0.3329**, and **8.9467, 0.2700, 0.3345** is the 20% darker color. If you saturate the color by 10%, you get **22.9465, 0.2698, 0.3344**, and if you desaturate by 10%, it is **24.7552, 0.2948, 0.3309**.

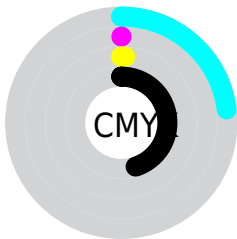
Distribution



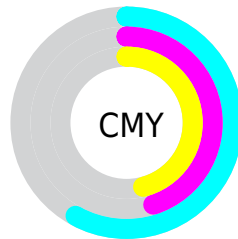
- Red (42%)
- Green (55%)
- Blue (54%)



- Red (42%)
- Yellow (49%)
- Blue (55%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (45%)



- Cyan (58%)
- Magenta (45%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7793, 0.2818, 0.3326 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 23.7793, 0.2818, 0.3326 by changing the saturation by 10% instead.

■ 23.7793, 0.2818,
0.3326

■ 23.7793, 0.2818,
0.3326

271.7028, 0.2989,
0.3307

■ 15.1700, 0.2769,
0.3331

■ 49.6698, 0.2885,
0.3319

■ 8.9388, 0.2701,
0.3337

■ 67.7198, 0.2908,
0.3317

■ 4.7013, 0.2602,
0.3345

■ 89.6855, 0.2928,
0.3314

■ 2.0731, 0.2445,
0.3355

■ 115.9512, 0.2944,
0.3313

■ 0.6494, 0.1778,
0.3468

146.9014, 0.2958,
0.3311

■ 0.0000, 0.0000,
0.0000

182.9205, 0.2969,

0.3310

224.3928, 0.2980,
0.3309

■ 23.7793, 0.2818,
0.3326

■ 23.7793, 0.2818,
0.3326

■ 22.9465, 0.2698,
0.3344

■ 24.7552, 0.2948,
0.3309

■ 22.2472, 0.2592,
0.3363

■ 25.8776, 0.3086,
0.3294

■ 21.6751, 0.2500,
0.3382

■ 27.1534, 0.3230,
0.3280

■ 21.2222, 0.2426,
0.3402

■ 28.5881, 0.3376,
0.3268

■ 20.8798, 0.2369,
0.3423

■ 30.1869, 0.3522,
0.3257

■ 20.6376, 0.2331,
0.3443

■ 31.9551, 0.3668,
0.3247

■ 20.4839, 0.2309,
0.3464

■ 33.8973, 0.3810,
0.3239

■ 20.4024, 0.2300,
0.3478

■ 36.0182, 0.3948,
0.3231

■ 38.3223, 0.4081,
0.3225

Harmonies

Analogous

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



23.7793, 0.2983, 0.3512



23.7793, 0.2818, 0.3326



23.7793, 0.2735, 0.3136

Triad

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



23.7793, 0.2818, 0.3326



23.7793, 0.3053, 0.2973



23.7793, 0.3514, 0.3573

Complementary

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



23.7793, 0.2818, 0.3326



17.4230, 0.3548, 0.3255

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.



23.7793, 0.3536, 0.3421



23.7793, 0.2818, 0.3326



23.7793, 0.3265, 0.3082

Square

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



23.7793, 0.2818, 0.3326



23.7793, 0.2867, 0.2941



23.7793, 0.3444, 0.3244



23.7793, 0.3386, 0.3654

Rectangle

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



23.7793, 0.2818, 0.3326



23.7793, 0.2735, 0.3036



23.7793, 0.3444, 0.3244



23.7793, 0.3535, 0.3528

Sweetspot

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



23.7803, 0.2818, 0.3326



44.7398, 0.3027, 0.3301



23.1634, 0.3121, 0.3902



10.2868, 0.3020, 0.3301



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.



23.7803, 0.2818, 0.3326



41.2002, 0.2760, 0.3334



20.0356, 0.2781, 0.3029



5.6833, 0.2999, 0.3304



18.1271, 0.2299, 0.3477



0.1212, 0.2271, 0.3375

Inverse Universe

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



17.4230, 0.3548, 0.3255



28.1338, 0.3663, 0.3247



20.5430, 0.3524, 0.3537



5.0534, 0.3271, 0.3277



4.9724, 0.6303, 0.3246



0.0336, 0.5885, 0.3015

Previews

White Background



This preview shows how the Yxy color 23.7793, 0.2818, 0.3326 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 23.7793, 0.2818, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

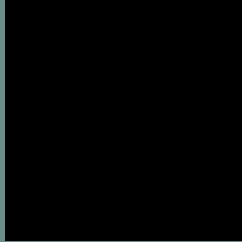
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7793, 0.2818, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 23.7793, 0.2818, 0.3326.



This preview shows how white text looks on a background with the Yxy color 23.7793, 0.2818, 0.3326.

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

23.7793, 0.2818, 0.3326

Protanopia

23.7305, 0.3151, 0.3273

Deuteranopia

23.6984, 0.3170, 0.3124



Tritanopia

23.6619, 0.2738, 0.3093

Trichromacy



Original Color

23.7793, 0.2818, 0.3326

Protanomaly

23.7932, 0.3028, 0.3307

Deuteranomaly

23.6601, 0.3031, 0.3203

Tritanomaly

23.7608, 0.2765, 0.3181

Monochromacy



Original Color

23.7793, 0.2818, 0.3326

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8812, 0.3005, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7793, 0.2818, 0.3326 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(108, 140, 138)` looks like.

```
.text, #text, p{  
    color:rgb(108, 140, 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(108, 140, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 140, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.7793, 0.2818, 0.3326 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(108, 140, 138) }
```

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

```
.border{ border-color:rgb(108, 140, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 140, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 140, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 140, 138); box-shadow:4px 4px 4px 4px rgb(108, 140, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7793, 0.2818, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 140, 138) }
```

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

```
.background{ background-color: rgb(108,  
140, 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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