

Converting Colors

$Y_{xy}(23.7749, 0.2635, 0.3395)$

Have a look what the booklet for
Yxy(23.7749, 0.2635, 0.3395)
contains.

Yxy(23.7599, 0.2635, 0.3403)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(23.7599, 0.2635, 0.3403)$

Conversions

Conversions Part 1

Format	Color
Hex	56908A
RGB	86, 144, 138
RGB Percent	34%, 56%, 54%
CMY	0.6628, 0.4353, 0.4588
CMYK	0.40, 0.00, 0.04, 0.44
HSL	174°, 25%, 45%
HSV	174°, 40%, 56%
XYZ	18.3977, 23.7599, 27.6629
YIQ	125.9740, -32.6420, -14.1620

Conversions

Conversions Part 2

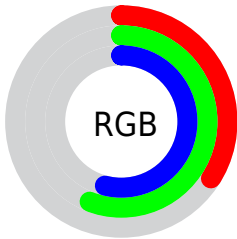
Format	Color
R_{YB}	86, 117, 144
Decimal	5673098
CIE _{Lab}	55.85, -20.45, -2.80
CIE _{LCh}	56, 20.643, 187.788
Yxy	23.7599, 0.2635, 0.3403
Android (android.graphics.Color)	4283863178 (0xFF56908A)
YUV	125.9740, 5.9288, -35.0572
Hunter-Lab	48.7441, -17.9303, 0.4731

Details

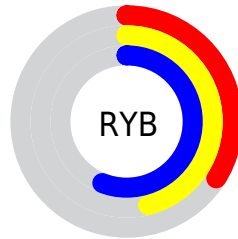
The Yxy color **23.7599, 0.2635, 0.3403** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.3558, 0.3997, 0.3185**, and the grayscale version is **20.8421, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6387, 0.2745, 0.3385**, and **8.8734, 0.2454, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **23.1021, 0.2543, 0.3436**, and if you desaturate by 10%, it is **24.5579, 0.2742, 0.3372**.

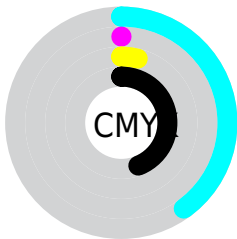
Distribution



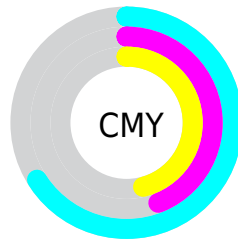
- Red (34%)
- Green (56%)
- Blue (54%)



- Red (34%)
- Yellow (46%)
- Blue (56%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (44%)





- Cyan (66%)
- Magenta (44%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7599, 0.2635, 0.3403 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 23.7599, 0.2635, 0.3403 by changing the saturation by 10% instead.


 23.7599, 0.2635,
0.3403


 23.7599, 0.2635,
0.3403


271.6044, 0.2906,
0.3343


 15.1556, 0.2558,
0.3419


 49.6381, 0.2740,
0.3380

 8.9287, 0.2452,
0.3440


 67.6808, 0.2778,
0.3372


 4.6947, 0.2298,
0.3469


 89.6384, 0.2809,
0.3365

 2.0693, 0.2056,
0.3509

 115.8954, 0.2834,
0.3360

 0.6473, 0.0697,
0.3891

 146.8361, 0.2856,
0.3355

 0.0000, 0.0000,
0.0000

182.8449, 0.2875,

0.3350

224.3062, 0.2892,
0.3346

■ 23.7599, 0.2635,
0.3403

■ 23.7599, 0.2635,
0.3403

■ 23.1021, 0.2543,
0.3436

■ 24.5579, 0.2742,
0.3372

■ 22.5733, 0.2466,
0.3469

■ 25.5010, 0.2861,
0.3343

■ 22.1652, 0.2408,
0.3504


■ 26.5970, 0.2989,
0.3316


■ 21.8675, 0.2368,
0.3539

■ 27.8527, 0.3123,
0.3291

■ 21.6679, 0.2345,
0.3573


■ 29.2742, 0.3262,
0.3268

 21.5359, 0.2335,
0.3607

 30.8674, 0.3402,
0.3248

 32.6380, 0.3543,
0.3230

 34.5912, 0.3681,
0.3214

 36.7323, 0.3816,
0.3201

Harmonies

Analogous

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



23.7599, 0.2929, 0.3730



23.7599, 0.2635, 0.3403



23.7599, 0.2474, 0.3062

Triad

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



23.7599, 0.2635, 0.3403



23.7599, 0.2936, 0.2740



23.7599, 0.3817, 0.3727

Complementary

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



23.7599, 0.2635, 0.3403



13.3558, 0.3997, 0.3185

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.



23.7599, 0.3827, 0.3452



23.7599, 0.2635, 0.3403



23.7599, 0.3302, 0.2902

Square

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



23.7599, 0.2635, 0.3403



23.7599, 0.2640, 0.2704



23.7599, 0.3635, 0.3156



23.7599, 0.3615, 0.3908

Rectangle

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



23.7599, 0.2635, 0.3403



23.7599, 0.2457, 0.2882



23.7599, 0.3635, 0.3156



23.7599, 0.3844, 0.3642

Sweetspot

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



23.7608, 0.2635, 0.3403



46.5076, 0.2963, 0.3321



22.9340, 0.3137, 0.4457



10.6134, 0.2948, 0.3324



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.



23.7608, 0.2635, 0.3403



40.8821, 0.2554, 0.3431



17.8529, 0.2522, 0.2849



6.1069, 0.3003, 0.3313



18.7546, 0.2335, 0.3605



0.1811, 0.2287, 0.3435

Inverse Universe

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



13.3558, 0.3997, 0.3185



20.0114, 0.4293, 0.3165



17.3745, 0.3941, 0.3687



5.4326, 0.3266, 0.3268



5.1950, 0.6241, 0.3212



0.0511, 0.5608, 0.2863

Previews

White Background



This preview shows how the Yxy color 23.7599, 0.2635, 0.3403 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 23.7599, 0.2635, 0.3403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

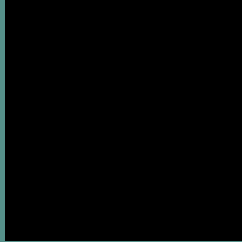
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7599, 0.2635, 0.3403

Background



This preview shows how black text looks on a background with the Yxy color 23.7599, 0.2635, 0.3403.



This preview shows how white text looks on a background with the Yxy color 23.7599, 0.2635, 0.3403.

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

23.7599, 0.2635, 0.3403

Protanopia

23.6480, 0.3183, 0.3325

Deuteranopia

23.4632, 0.3160, 0.3091



Tritanopia

23.8196, 0.2545, 0.3087

Trichromacy



Original Color

23.7599, 0.2635, 0.3403

Protanomaly

23.4641, 0.2953, 0.3344

Deuteranomaly

23.0812, 0.2935, 0.3183

Tritanomaly

23.9069, 0.2578, 0.3196

Monochromacy



Original Color

23.7599, 0.2635, 0.3403

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.7663, 0.2916, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7599, 0.2635, 0.3403 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(86, 144, 138)` looks like.

```
.text, #text, p{  
    color:rgb(86, 144, 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(86, 144, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 144, 138) }
```

Border

The CSS property to change the border of an element to Yxy 23.7599, 0.2635, 0.3403 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(86, 144, 138) }
```

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

```
.border{ border-color:rgb(86, 144, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 144, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 144, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 144, 138);  
box-shadow:4px 4px 4px 4px rgb(86, 144,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7599, 0.2635, 0.3403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 144, 138) }
```

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

```
.background{ background-color: rgb(86, 144,  
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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