

Converting Colors

$Y_{xy}(23.9803, 0.2759, 0.3320)$

Have a look what the booklet for
Yxy(23.9803, 0.2759, 0.3320)
contains.

Yxy(24.1230, 0.2757, 0.3326)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.1230, 0.2757, 0.3326)

Conversions

Conversions Part 1

Format	Color
Hex	678E8C
RGB	103, 142, 140
RGB Percent	40%, 56%, 55%
CMY	0.5962, 0.4431, 0.4510
CMYK	0.27, 0.00, 0.01, 0.44
HSL	177°, 16%, 48%
HSV	177°, 27%, 56%
XYZ	19.9961, 24.1230, 28.4094
YIQ	130.1110, -22.6020, -8.8900

Conversions

Conversions Part 2

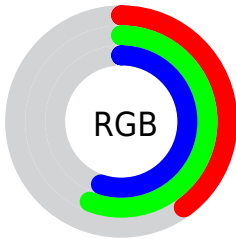
Format	Color
R_{YB}	103, 123, 142
Decimal	6786700
CIE Lab	56.21, -13.88, -3.30
CIE LCh	56, 14.264, 193.372
Yxy	24.1230, 0.2757, 0.3326
Android (android.graphics.Color)	4284976780 (0xFF678E8C)
YUV	130.1110, 4.8753, -23.7763
Hunter-Lab	49.1152, -13.2793, 0.0858

Details

The Yxy color $24.1230, 0.2757, 0.3326$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.4642, 0.3668, 0.3255$, and the grayscale version is $22.3505, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.2987, 0.2838, 0.3329$, and $9.1767, 0.2622, 0.3345$ is the 20% darker color. If you saturate the color by 10%, you get $23.3331, 0.2642, 0.3341$, and if you desaturate by 10%, it is $25.0576, 0.2884, 0.3312$.

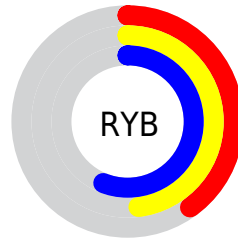
Distribution



Red (40%)

Green (56%)

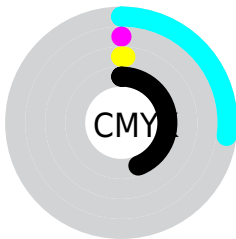
Blue (55%)



Red (40%)

Yellow (48%)

Blue (56%)

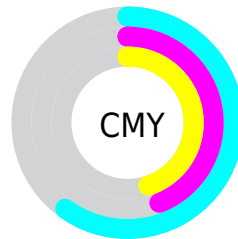


Cyan (27%)

Magenta (0%)

Yellow (1%)

Black (44%)



Cyan (60%)

Magenta (44%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1230, 0.2757, 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 24.1230, 0.2757, 0.3326 by changing the saturation by 10% instead.

■ 24.1230, 0.2757,
0.3326

■ 24.1230, 0.2757,
0.3326

■ 273.4417, 0.2961,
0.3308

■ 15.4249, 0.2699,
0.3330

■ 50.2308, 0.2836,
0.3320

■ 9.1181, 0.2619,
0.3335

■ 68.4094, 0.2864,
0.3317

■ 4.8183, 0.2503,
0.3341

■ 90.5168, 0.2887,
0.3315

■ 2.1411, 0.2320,
0.3347

■ 116.9376, 0.2907,
0.3313

■ 0.6876, 0.1588,
0.3470

■ 148.0561, 0.2923,
0.3312

■ 0.0000, 0.0000,
0.0000

184.2566, 0.2938,

0.3310

225.9237, 0.2950,
0.3309

■ 24.1230, 0.2757,
0.3326

■ 24.1230, 0.2757,
0.3326

■ 23.3331, 0.2642,
0.3341

■ 25.0576, 0.2884,
0.3312

■ 22.6778, 0.2541,
0.3357

■ 26.1407, 0.3020,
0.3299

■ 22.1502, 0.2456,
0.3373

■ 27.3796, 0.3163,
0.3287

■ 21.7416, 0.2390,
0.3389

■ 28.7801, 0.3310,
0.3276

■ 21.4425, 0.2341,
0.3406

■ 30.3478, 0.3459,
0.3267

■ 21.2415, 0.2310,
0.3423

■ 32.0882, 0.3607,
0.3258

■ 21.1174, 0.2293,
0.3439

■ 34.0062, 0.3753,
0.3251

■ 21.0893, 0.2290,
0.3444

■ 36.1068, 0.3895,
0.3245

■ 38.3947, 0.4032,
0.3240

Harmonies

Analogous

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



24.1230, 0.2950, 0.3551



24.1230, 0.2757, 0.3326



24.1230, 0.2662, 0.3101

Triad

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



24.1230, 0.2757, 0.3326



24.1230, 0.3043, 0.2918



24.1230, 0.3586, 0.3628

Complementary

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



24.1230, 0.2757, 0.3326



16.4642, 0.3668, 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.



24.1230, 0.3616, 0.3448



24.1230, 0.2757, 0.3326



24.1230, 0.3296, 0.3048

Square

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



24.1230, 0.2757, 0.3326



24.1230, 0.2822, 0.2877



24.1230, 0.3508, 0.3238



24.1230, 0.3429, 0.3725

Rectangle

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



24.1230, 0.2757, 0.3326



24.1230, 0.2664, 0.2983



24.1230, 0.3508, 0.3238



24.1230, 0.3611, 0.3574

Sweetspot

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



24.1240, 0.2757, 0.3326



45.9525, 0.3011, 0.3300



23.3656, 0.3119, 0.4045



10.2024, 0.2992, 0.3302



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.



24.1240, 0.2757, 0.3326



41.6411, 0.2684, 0.3335



19.5247, 0.2709, 0.2969



6.1116, 0.2997, 0.3301



18.9325, 0.2290, 0.3443



0.1820, 0.2266, 0.3359

Inverse Universe

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



16.4642, 0.3668, 0.3255



25.8201, 0.3840, 0.3247



20.1352, 0.3621, 0.3590



5.4283, 0.3274, 0.3279



5.1787, 0.6322, 0.3256



0.0502, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 24.1230, 0.2757, 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 24.1230, 0.2757, 0.3326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

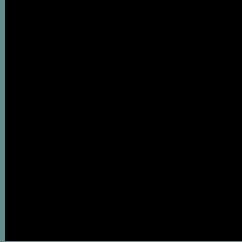
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

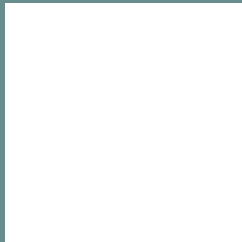
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.1230, 0.2757, 0.3326

Background



This preview shows how black text looks on a background with the Yxy color 24.1230, 0.2757, 0.3326.



This preview shows how white text looks on a background with the Yxy color 24.1230, 0.2757, 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

24.1230, 0.2757, 0.3326

Protanopia

24.0337, 0.3139, 0.3273

Deuteranopia

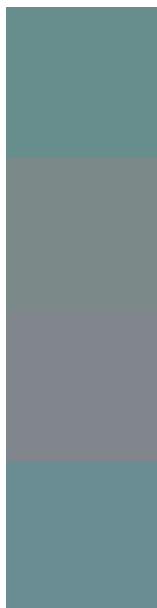
23.8475, 0.3159, 0.3092



Tritanopia

24.0547, 0.2688, 0.3093

Trichromacy



Original Color

24.1230, 0.2757, 0.3326

Protanomaly

23.9825, 0.2987, 0.3290

Deuteranomaly

23.6404, 0.3000, 0.3169

Tritanomaly

24.1596, 0.2714, 0.3181

Monochromacy



Original Color

24.1230, 0.2757, 0.3326

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7645, 0.2973, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1230, 0.2757, 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(103, 142, 140)` looks like.

```
.text, #text, p{  
    color:rgb(103, 142, 140)  
}
```

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, 142, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 142, 140) }
```

Border

The CSS property to change the border of an element to Yxy 24.1230, 0.2757, 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(103, 142, 140) }
```

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

```
.border{ border-color:rgb(103, 142, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 142, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 142, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 142, 140);  
box-shadow:4px 4px 4px 4px rgb(103, 142,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1230, 0.2757, 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(103, 142, 140) }
```

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

```
.background{ background-color: rgb(103,  
142, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor