

Converting Colors

$Y_{xy}(22.5125, 0.2930, 0.3802)$

Have a look what the booklet for
Yxy(22.5125, 0.2930, 0.3802)
contains.

Yxy(22.5125, 0.2930, 0.3802)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5125, 0.2930, 0.3802)

Conversions

Conversions Part 1

Format	Color
Hex	618C72
RGB	97, 140, 114
RGB Percent	38%, 55%, 45%
CMY	0.6194, 0.4510, 0.5529
CMYK	0.31, 0.00, 0.19, 0.45
HSL	144°, 18%, 46%
HSV	144°, 31%, 55%
XYZ	17.3492, 22.5125, 19.3506
YIQ	124.1790, -17.2820, -17.2020

Conversions

Conversions Part 2

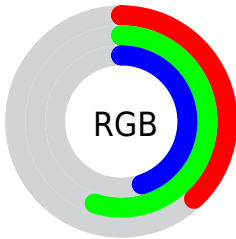
Format	Color
R_{YB}	97, 128, 140
Decimal	6392946
CIE _{Lab}	54.57, -20.54, 9.22
CIE _{LCh}	55, 22.513, 155.820
Yxy	22.5125, 0.2930, 0.3802
Android (android.graphics.Color)	4284583026 (0xFF618C72)
YUV	124.1790, -5.0182, -23.8360
Hunter-Lab	47.4473, -17.7640, 9.0328

Details

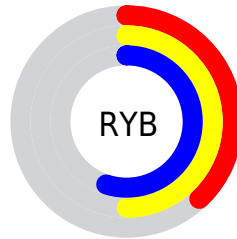
The Yxy color $22.5125, 0.2930, 0.3802$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.5651, 0.3394, 0.2829$, and the grayscale version is $20.2440, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.7263, 0.2977, 0.3684$, and $8.3341, 0.2837, 0.4037$ is the 20% darker color. If you saturate the color by 10%, you get $21.6265, 0.2874, 0.4004$, and if you desaturate by 10%, it is $23.5540, 0.2992, 0.3617$.

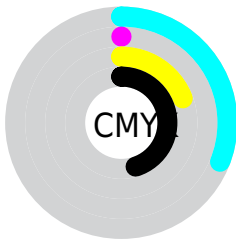
Distribution



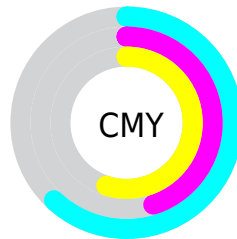
- Red (38%)
- Green (55%)
- Blue (45%)



- Red (38%)
- Yellow (50%)
- Blue (55%)



- Cyan (31%)
- Magenta (0%)
- Yellow (19%)
- Black (45%)





- Cyan (62%)
- Magenta (45%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5125, 0.2930, 0.3802 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 22.5125, 0.2930, 0.3802 by changing the saturation by 10% instead.


 22.5125, 0.2930,
0.3802


 22.5125, 0.2930,
0.3802


265.2111, 0.3045,
0.3506


 14.2340, 0.2894,
0.3893


 47.5916, 0.2976,
0.3683

 8.2836, 0.2842,
0.4024


 65.1610, 0.2992,
0.3642

 4.2769, 0.2762,
0.4227

 86.5960, 0.3005,
0.3609

 1.8296, 0.2619,
0.4581

 112.2812, 0.3016,
0.3581

 0.5056, 0.0000,
1.0000

142.6009, 0.3025,
0.3558

 0.0000, 0.0000,
0.0000

177.9396, 0.3032,

0.3538

218.6815, 0.3039,
0.3521

■ 22.5125, 0.2930,
0.3802

■ 22.5125, 0.2930,
0.3802

■ 21.6265, 0.2874,
0.4004

■ 23.5540, 0.2992,
0.3617

■ 20.8855, 0.2828,
0.4220

■ 24.7554, 0.3056,
0.3449

■ 20.2822, 0.2793,
0.4445


■ 26.1240, 0.3123,
0.3299


■ 19.8075, 0.2772,
0.4675


■ 27.6662, 0.3189,
0.3166

■ 19.4511, 0.2769,
0.4902

■ 29.3879, 0.3253,
0.3049


 19.2009, 0.2783,
0.5116

 31.2948, 0.3316,
0.2946

 19.0325, 0.2806,
0.5302

 33.3921, 0.3376,
0.2856

 35.6852, 0.3432,
0.2777

 38.1789, 0.3486,
0.2708

Harmonies

Analogous

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



22.5125, 0.3328, 0.3999



22.5125, 0.2930, 0.3802



22.5125, 0.2599, 0.3440

Triad

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



22.5125, 0.2930, 0.3802



22.5125, 0.2572, 0.2646



22.5125, 0.3898, 0.3443

Complementary

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



22.5125, 0.2930, 0.3802



15.5651, 0.3394, 0.2829

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.



22.5125, 0.3670, 0.3120



22.5125, 0.2930, 0.3802



22.5125, 0.2890, 0.2677

Square

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



22.5125, 0.2930, 0.3802



22.5125, 0.2404, 0.2774



22.5125, 0.3292, 0.2847



22.5125, 0.3901, 0.3753

Rectangle

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



22.5125, 0.2930, 0.3802



22.5125, 0.2456, 0.3178



22.5125, 0.3292, 0.2847



22.5125, 0.3845, 0.3334

Sweetspot

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



22.5134, 0.2930, 0.3802



43.9886, 0.3066, 0.3426



23.8686, 0.3379, 0.4078



10.0671, 0.3058, 0.3447



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.



22.5134, 0.2930, 0.3802



38.5579, 0.2890, 0.3944



23.0473, 0.2743, 0.3384



5.6388, 0.3067, 0.3425



16.9167, 0.2804, 0.5293



0.1151, 0.2573, 0.4462

Inverse Universe

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



15.5651, 0.3394, 0.2829



24.2318, 0.3477, 0.2720



15.0945, 0.3709, 0.3200



5.0961, 0.3193, 0.3158



5.5371, 0.4475, 0.2239



0.0397, 0.3801, 0.1867

Previews

White Background



This preview shows how the Yxy color 22.5125, 0.2930, 0.3802 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 22.5125, 0.2930, 0.3802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

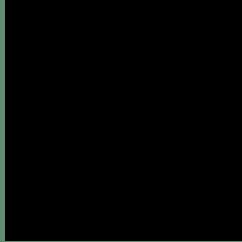
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5125, 0.2930, 0.3802

Background



This preview shows how black text looks on a background with the Yxy color 22.5125, 0.2930, 0.3802.



This preview shows how white text looks on a background with the Yxy color 22.5125, 0.2930, 0.3802.

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

22.5125, 0.2930, 0.3802

Protanopia

22.3878, 0.3445, 0.3663

Deuteranopia

22.1546, 0.3492, 0.3427



Tritanopia

22.6267, 0.2704, 0.3106

Trichromacy



Original Color

22.5125, 0.2930, 0.3802

Protanomaly

22.3355, 0.3232, 0.3717

Deuteranomaly

21.8933, 0.3268, 0.3545

Tritanomaly

22.3793, 0.2783, 0.3346

Monochromacy



Original Color

22.5125, 0.2930, 0.3802

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.8987, 0.3050, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5125, 0.2930, 0.3802 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(97, 140, 114)` looks like.

```
.text, #text, p{  
    color:rgb(97, 140, 114)  
}
```

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(97, 140, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 140, 114) }
```

Border

The CSS property to change the border of an element to Yxy 22.5125, 0.2930, 0.3802 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(97, 140, 114) }
```

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

```
.border{ border-color:rgb(97, 140, 114) }
```

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

Here you see how a box with a 4 pixel rgb(97, 140, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 140, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 140, 114);  
box-shadow:4px 4px 4px 4px rgb(97, 140,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5125, 0.2930, 0.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 140, 114) }
```

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

```
.background{ background-color: rgb(97, 140,  
114) }
```

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