

Converting Colors

$Y_{xy}(22.7776, 0.2545, 0.3123)$

Have a look what the booklet for
Yxy(22.7776, 0.2545, 0.3123)
contains.

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Color

Yxy(22.8727, 0.2547, 0.3138)

Conversions

Conversions Part 1

Format	Color
Hex	568C94
RGB	86, 140, 148
RGB Percent	34%, 55%, 58%
CMY	0.6625, 0.4510, 0.4196
CMYK	0.42, 0.05, 0.00, 0.42
HSL	188°, 26%, 46%
HSV	188°, 42%, 58%
XYZ	18.5649, 22.8727, 31.4518
YIQ	124.7660, -34.7520, -8.9600

Conversions

Conversions Part 2

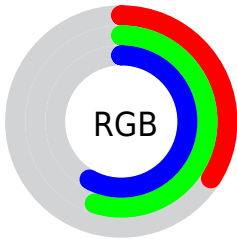
Format	Color
R_{YB}	86, 115, 148
Decimal	5672084
CIE _{Lab}	54.94, -15.68, -9.90
CIE _{LCh}	55, 18.538, 212.265
Y _{xy}	22.8727, 0.2547, 0.3138
Android (android.graphics.Color)	4283862164 (0xFF568C94)
YUV	124.7660, 11.4544, -33.9978
Hunter-Lab	47.8254, -14.4041, -5.5135

Details

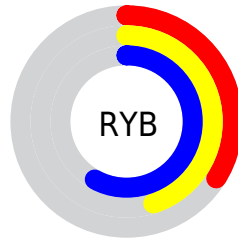
The Yxy color **22.8727, 0.2547, 0.3138** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.9857, 0.4101, 0.3433**, and the grayscale version is **20.3998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3368, 0.2671, 0.3180**, and **8.4987, 0.2338, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **21.6877, 0.2436, 0.3096**, and if you desaturate by 10%, it is **24.2147, 0.2672, 0.3178**.

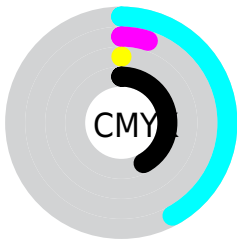
Distribution



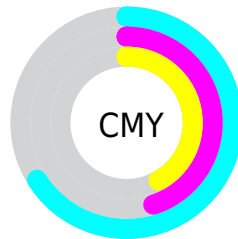
- Red (34%)
- Green (55%)
- Blue (58%)



- Red (34%)
- Yellow (45%)
- Blue (58%)



- Cyan (42%)
- Magenta (5%)
- Yellow (0%)
- Black (42%)



- Cyan (66%)
- Magenta (45%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8727, 0.2547, 0.3138 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 22.8727, 0.2547, 0.3138 by changing the saturation by 10% instead.

■ 22.8727, 0.2547,
0.3138

■ 22.8727, 0.2547,
0.3138

267.0705, 0.2866,
0.3229

■ 14.4995, 0.2457,
0.3109

■ 48.1842, 0.2670,
0.3175

■ 8.4689, 0.2334,
0.3067

■ 65.8914, 0.2714,
0.3188

■ 4.3964, 0.2157,
0.3000

■ 87.4786, 0.2751,
0.3198

■ 1.8977, 0.1884,
0.2884

■ 113.3304, 0.2781,
0.3207

■ 0.5470, 0.0683,
0.2723

■ 143.8311, 0.2807,
0.3214

■ 0.0000, 0.0000,
0.0000

179.3650, 0.2829,

0.3219

220.3167, 0.2849,
0.3225

■ 22.8727, 0.2547,
0.3138

■ 22.8727, 0.2547,
0.3138

■ 21.6877, 0.2436,
0.3096

■ 24.2147, 0.2672,
0.3178

■ 20.6479, 0.2340,
0.3052

■ 25.7194, 0.2807,
0.3216

■ 19.7441, 0.2262,
0.3008

■ 27.3953, 0.2951,
0.3252

■ 18.9649, 0.2202,
0.2964

■ 29.2496, 0.3099,
0.3284

■ 18.2966, 0.2160,
0.2920

■ 31.2891, 0.3250,
0.3314

■ 17.8047, 0.2134,
0.2884

■ 33.5202, 0.3402,
0.3341

■ 35.9489, 0.3552,
0.3364

■ 38.5811, 0.3698,
0.3385

■ 41.4222, 0.3840,
0.3404

Harmonies

Analogous

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



22.8727, 0.2720, 0.3452



22.8727, 0.2547, 0.3138



22.8727, 0.2521, 0.2890

Triad

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



22.8727, 0.2547, 0.3138



22.8727, 0.3225, 0.2900



22.8727, 0.3617, 0.3833

Complementary

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



22.8727, 0.2547, 0.3138



14.9857, 0.4101, 0.3433

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.



22.8727, 0.3771, 0.3650



22.8727, 0.2547, 0.3138



22.8727, 0.3540, 0.3122

Square

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



22.8727, 0.2547, 0.3138



22.8727, 0.2898, 0.2771



22.8727, 0.3744, 0.3390



22.8727, 0.3334, 0.3872

Rectangle

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



22.8727, 0.2547, 0.3138



22.8727, 0.2587, 0.2790



22.8727, 0.3744, 0.3390



22.8727, 0.3686, 0.3785

Sweetspot

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



22.8736, 0.2547, 0.3138



47.9038, 0.2930, 0.3247



23.9557, 0.3010, 0.4391



10.7938, 0.2900, 0.3240



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.8736, 0.2547, 0.3138



38.4362, 0.2445, 0.3100



15.2290, 0.2451, 0.2532



6.4357, 0.2990, 0.3261



15.2364, 0.2135, 0.2886



0.2152, 0.2195, 0.3101

Inverse Universe

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



14.8544, 0.3284, 0.2406



22.6566, 0.3327, 0.2229



21.4479, 0.3883, 0.3941



5.8964, 0.3156, 0.3099



6.7315, 0.3556, 0.1732



0.0853, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 22.8727, 0.2547, 0.3138 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 22.8727, 0.2547, 0.3138 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 22.8727, 0.2547, 0.3138

Background



This preview shows how black text looks on a background with the Yxy color 22.8727, 0.2547, 0.3138.



This preview shows how white text looks on a background with the Yxy color 22.8727, 0.2547, 0.3138.

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

22.8727, 0.2547, 0.3138

Protanopia

22.6641, 0.3001, 0.3082

Deuteranopia

22.7410, 0.2954, 0.2903



Tritanopia

23.0168, 0.2532, 0.3084

Trichromacy



Original Color

22.8727, 0.2547, 0.3138

Protanomaly

22.6412, 0.2815, 0.3109

Deuteranomaly

22.4864, 0.2788, 0.2972

Tritanomaly

22.9844, 0.2539, 0.3102

Monochromacy



Original Color

22.8727, 0.2547, 0.3138

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.0382, 0.2885, 0.3233

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8727, 0.2547, 0.3138 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, 140, 148)` looks like.

```
.text, #text, p{  
    color:rgb(86, 140, 148)  
}
```

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, 140, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 140, 148) }
```

Border

The CSS property to change the border of an element to Yxy 22.8727, 0.2547, 0.3138 is called "border". The border property can be set on classes, ids or directly on the HTML element.

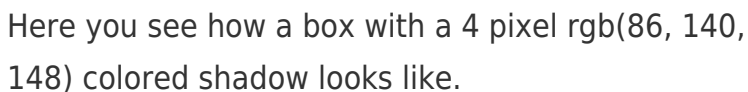
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(86, 140, 148) }
```

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

```
.border{ border-color:rgb(86, 140, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(86, 140, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(86, 140, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(86, 140, 148); box-shadow:4px 4px 4px 4px rgb(86, 140, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8727, 0.2547, 0.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 140, 148) }
```

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

```
.background{ background-color: rgb(86, 140,  
148) }
```

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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