

Converting Colors

$Y_{xy}(22.7914, 0.2688, 0.3124)$

Have a look what the booklet for
Yxy(22.7914, 0.2688, 0.3124)
contains.

Yxy(22.7914, 0.2688, 0.3124)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(22.7914, 0.2688, 0.3124)$

Conversions

Conversions Part 1

Format	Color
Hex	668992
RGB	102, 137, 146
RGB Percent	40%, 54%, 57%
CMY	0.6001, 0.4627, 0.4275
CMYK	0.30, 0.06, 0.00, 0.43
HSL	192°, 18%, 49%
HSV	192°, 30%, 57%
XYZ	19.6105, 22.7914, 30.5539
YIQ	127.5610, -23.7490, -4.6210

Conversions

Conversions Part 2

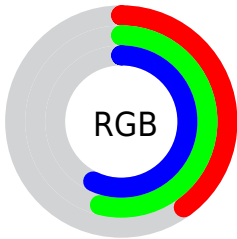
Format	Color
R_{YB}	102, 121, 146
Decimal	6719890
CIE _{Lab}	54.86, -9.97, -8.77
CIE _{LCh}	55, 13.275, 221.353
Yxy	22.7914, 0.2688, 0.3124
Android (android.graphics.Color)	4284909970 (0xFF668992)
YUV	127.5610, 9.0904, -22.4170
Hunter-Lab	47.7403, -10.2223, -4.5275

Details

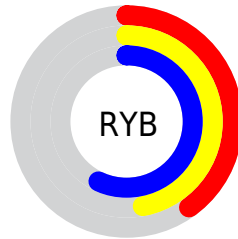
The Yxy color $22.7914, 0.2688, 0.3124$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $18.4278, 0.3730, 0.3449$, and the grayscale version is $21.3995, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.8671, 0.2780, 0.3156$, and $8.4178, 0.2520, 0.3036$ is the 20% darker color. If you saturate the color by 10%, you get $21.1782, 0.2555, 0.3060$, and if you desaturate by 10%, it is $24.5800, 0.2829, 0.3184$.

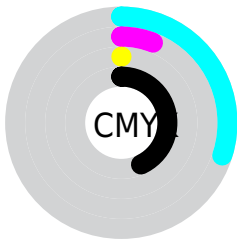
Distribution



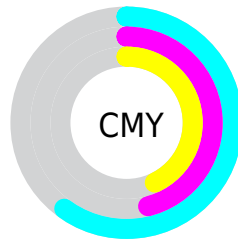
- Red (40%)
- Green (54%)
- Blue (57%)



- Red (40%)
- Yellow (47%)
- Blue (57%)



- Cyan (30%)
- Magenta (6%)
- Yellow (0%)
- Black (43%)



- Cyan (60%)
- Magenta (46%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7914, 0.2688, 0.3124 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 22.7914, 0.2688, 0.3124 by changing the saturation by 10% instead.

■ 22.7914, 0.2688,
0.3124

■ 22.7914, 0.2688,
0.3124

■ 266.6518, 0.2931,
0.3220

■ 14.4396, 0.2619,
0.3094

■ 48.0506, 0.2782,
0.3163

■ 8.4270, 0.2523,
0.3053

■ 65.7267, 0.2816,
0.3176

■ 4.3694, 0.2385,
0.2988

■ 87.2797, 0.2843,
0.3187

■ 1.8823, 0.2166,
0.2879

■ 113.0940, 0.2866,
0.3196

■ 0.5377, 0.1323,
0.2657

■ 143.5539, 0.2886,
0.3203

■ 0.0000, 0.0000,
0.0000

179.0440, 0.2903,

0.3210

219.9484, 0.2918,
0.3215

■ 22.7914, 0.2688,
0.3124

■ 22.7914, 0.2688,
0.3124

■ 21.1782, 0.2555,
0.3060

■ 24.5800, 0.2829,
0.3184

■ 19.7297, 0.2433,
0.2993

■ 26.5487, 0.2976,
0.3239

■ 18.4378, 0.2326,
0.2923

■ 28.7055, 0.3125,
0.3289

■ 17.2930, 0.2234,
0.2851

■ 31.0569, 0.3274,
0.3335

■ 16.2842, 0.2161,
0.2778

■ 33.6093, 0.3422,
0.3376

■ 15.3986, 0.2106,
0.2706

■ 36.3686, 0.3567,
0.3412

■ 14.6133, 0.2065,
0.2634

■ 39.3405, 0.3706,
0.3444

■ 42.5305, 0.3841,
0.3472

■ 45.9437, 0.3969,
0.3496

Harmonies

Analogous

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



22.7914, 0.2786, 0.3340



22.7914, 0.2688, 0.3124



22.7914, 0.2703, 0.2965

Triad

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



22.7914, 0.2688, 0.3124



22.7914, 0.3272, 0.3050



22.7914, 0.3427, 0.3700

Complementary

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



22.7914, 0.2688, 0.3124



18.4278, 0.3730, 0.3449

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.



22.7914, 0.3568, 0.3602



22.7914, 0.2688, 0.3124



22.7914, 0.3478, 0.3228

Square

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



22.7914, 0.2688, 0.3124



22.7914, 0.3032, 0.2931



22.7914, 0.3587, 0.3428



22.7914, 0.3208, 0.3684

Rectangle

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



22.7914, 0.2688, 0.3124



22.7914, 0.2774, 0.2909



22.7914, 0.3587, 0.3428



22.7914, 0.3485, 0.3678

Sweetspot

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



22.7923, 0.2688, 0.3124



47.1963, 0.2990, 0.3244



24.5200, 0.3009, 0.3964



10.3927, 0.2971, 0.3237



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.



22.7923, 0.2688, 0.3124



38.3079, 0.2599, 0.3082



17.2011, 0.2642, 0.2703



6.3634, 0.2990, 0.3244



12.8942, 0.2066, 0.2638



0.1986, 0.2161, 0.2981

Inverse Universe

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



17.4146, 0.3276, 0.2702



27.4879, 0.3317, 0.2573



23.7846, 0.3625, 0.3814



5.8891, 0.3166, 0.3116



6.4950, 0.3787, 0.1860



0.0836, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 22.7914, 0.2688, 0.3124 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 22.7914, 0.2688, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

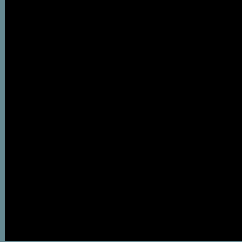
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7914, 0.2688, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 22.7914, 0.2688, 0.3124.



This preview shows how white text looks on a background with the Yxy color 22.7914, 0.2688, 0.3124.

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

22.7914, 0.2688, 0.3124

Protanopia

22.6641, 0.3001, 0.3082

Deuteranopia

22.5511, 0.3007, 0.2937



Tritanopia

22.8542, 0.2671, 0.3088

Trichromacy



Original Color

22.7914, 0.2688, 0.3124

Protanomaly

22.7513, 0.2885, 0.3112

Deuteranomaly

22.6243, 0.2887, 0.3011

Tritanomaly

22.8227, 0.2680, 0.3106

Monochromacy



Original Color

22.7914, 0.2688, 0.3124

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.9038, 0.2952, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7914, 0.2688, 0.3124 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(102, 137, 146)` looks like.

```
.text, #text, p{  
    color:rgb(102, 137, 146)  
}
```

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(102, 137, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 137, 146) }
```

Border

The CSS property to change the border of an element to Yxy 22.7914, 0.2688, 0.3124 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(102, 137, 146) }
```

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

```
.border{ border-color:rgb(102, 137, 146) }
```

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

Here you see how a box with a 4 pixel rgb(102, 137, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 137, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 137, 146);  
box-shadow:4px 4px 4px 4px rgb(102, 137,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7914, 0.2688, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 137, 146) }
```

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

```
.background{ background-color: rgb(102,  
137, 146) }
```

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