

Converting Colors

$Y_{xy}(24.4829, 0.2617, 0.2989)$

Have a look what the booklet for
Yxy(24.4829, 0.2617, 0.2989)
contains.

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Color

$Y_{xy}(24.4614, 0.2617, 0.2990)$

Conversions

Conversions Part 1

Format	Color
Hex	688D9E
RGB	104, 141, 158
RGB Percent	41%, 55%, 62%
CMY	0.5919, 0.4471, 0.3804
CMYK	0.34, 0.11, 0.00, 0.38
HSL	199°, 22%, 51%
HSV	199°, 34%, 62%
XYZ	21.4099, 24.4614, 35.9394
YIQ	131.8750, -27.5090, -2.5570

Conversions

Conversions Part 2

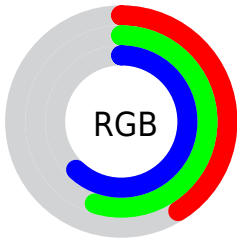
Format	Color
RYB	104, 126, 158
Decimal	6851998
CIELab	56.55, -8.48, -13.14
CIElCh	57, 15.635, 237.170
Yxy	24.4614, 0.2617, 0.2990
Android (android.graphics.Color)	4285042078 (0xFF688D9E)
YUV	131.8750, 12.8796, -24.4464
Hunter-Lab	49.4585, -9.2822, -8.4627

Details

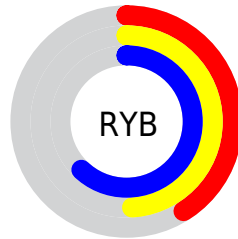
The Yxy color **24.4614, 0.2617, 0.2990** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.9597, 0.3811, 0.3569**, and the grayscale version is **22.9915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0024, 0.2723, 0.3057**, and **9.3280, 0.2433, 0.2867** is the 20% darker color. If you saturate the color by 10%, you get **22.1671, 0.2477, 0.2886**, and if you desaturate by 10%, it is **27.0009, 0.2764, 0.3087**.

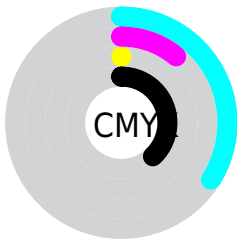
Distribution



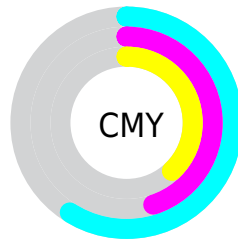
- Red (41%)
- Green (55%)
- Blue (62%)



- Red (41%)
- Yellow (49%)
- Blue (62%)



- Cyan (34%)
- Magenta (11%)
- Yellow (0%)
- Black (38%)



- Cyan (59%)
- Magenta (45%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4614, 0.2617, 0.2990 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 24.4614, 0.2617, 0.2990 by changing the saturation by 10% instead.

■ 24.4614, 0.2617,
0.2990

■ 24.4614, 0.2617,
0.2990

■ 275.1449, 0.2895,
0.3159

■ 15.6762, 0.2539,
0.2940

■ 50.7821, 0.2724,
0.3057

■ 9.2953, 0.2434,
0.2872

■ 69.0864, 0.2762,
0.3080

■ 4.9343, 0.2285,
0.2770

■ 91.3326, 0.2794,
0.3099

■ 2.2088, 0.2056,
0.2608

■ 117.9050, 0.2820,
0.3115

■ 0.7248, 0.1544,
0.2322

■ 149.1881, 0.2843,
0.3129

■ 0.0000, 0.0000,
0.0000

185.5661, 0.2863,

0.3140

227.4236, 0.2880,
0.3150

■ 24.4614, 0.2617,
0.2990

■ 24.4614, 0.2617,
0.2990

■ 22.1671, 0.2477,
0.2886

■ 27.0009, 0.2764,
0.3087

■ 20.1044, 0.2347,
0.2776

■ 29.7926, 0.2914,
0.3177

■ 18.2624, 0.2230,
0.2661

■ 32.8470, 0.3065,
0.3259

■ 16.6280, 0.2130,
0.2543

■ 36.1727, 0.3214,
0.3332

■ 15.1865, 0.2049,
0.2425

■ 39.7781, 0.3360,
0.3398

■ 13.9199, 0.1987,
0.2308

■ 43.6713, 0.3501,
0.3457

■ 13.2328, 0.1956,
0.2240

■ 47.8596, 0.3635,
0.3508

■ 52.3505, 0.3763,
0.3553

■ 57.1509, 0.3885,
0.3593

Harmonies

Analogous

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



24.4614, 0.2662, 0.3210



24.4614, 0.2617, 0.2990



24.4614, 0.2701, 0.2863

Triad

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



24.4614, 0.2617, 0.2990



24.4614, 0.3428, 0.3116



24.4614, 0.3345, 0.3772

Complementary

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



24.4614, 0.2617, 0.2990



21.9597, 0.3811, 0.3569

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.



24.4614, 0.3563, 0.3721



24.4614, 0.2617, 0.2990



24.4614, 0.3615, 0.3338

Square

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



24.4614, 0.2617, 0.2990



24.4614, 0.3162, 0.2940



24.4614, 0.3665, 0.3558



24.4614, 0.3075, 0.3680

Rectangle

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



24.4614, 0.2617, 0.2990



24.4614, 0.2821, 0.2840



24.4614, 0.3665, 0.3558



24.4614, 0.3427, 0.3770

Sweetspot

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



24.4624, 0.2617, 0.2990



56.2351, 0.2974, 0.3210



28.7614, 0.2949, 0.3974



12.5150, 0.2954, 0.3199



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



24.4624, 0.2617, 0.2990



41.1930, 0.2509, 0.2911



17.6413, 0.2555, 0.2504



7.1564, 0.2988, 0.3218



10.6711, 0.1958, 0.2249



0.2629, 0.2087, 0.2715

Inverse Universe

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



19.1039, 0.3380, 0.2706



30.3757, 0.3456, 0.2575



29.2022, 0.3678, 0.3968



6.7189, 0.3183, 0.3138



6.6995, 0.4180, 0.2076



0.1271, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 24.4614, 0.2617, 0.2990 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 24.4614, 0.2617, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

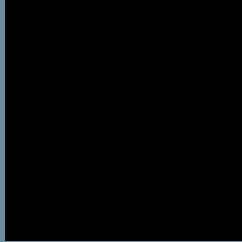
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4614, 0.2617, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 24.4614, 0.2617, 0.2990.



This preview shows how white text looks on a background with the Yxy color 24.4614, 0.2617, 0.2990.

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

24.4614, 0.2617, 0.2990

Protanopia

24.2888, 0.2906, 0.2956

Deuteranopia

24.2748, 0.2889, 0.2834



Tritanopia

24.5295, 0.2650, 0.3093

Trichromacy



Original Color

24.4614, 0.2617, 0.2990

Protanomaly

24.3955, 0.2798, 0.2982

Deuteranomaly

24.1162, 0.2780, 0.2885

Tritanomaly

24.5961, 0.2634, 0.3058

Monochromacy



Original Color

24.4614, 0.2617, 0.2990

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.3886, 0.2926, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4614, 0.2617, 0.2990 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(104, 141, 158)` looks like.

```
.text, #text, p{  
    color:rgb(104, 141, 158)  
}
```

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(104, 141, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 141, 158) }
```

Border

The CSS property to change the border of an element to Yxy 24.4614, 0.2617, 0.2990 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(104, 141, 158) }
```

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

```
.border{ border-color:rgb(104, 141, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 141, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 141, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 141, 158);  
box-shadow:4px 4px 4px 4px rgb(104, 141,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4614, 0.2617, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 141, 158) }
```

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

```
.background{ background-color: rgb(104,  
141, 158) }
```

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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