

Converting Colors

$Y_{xy}(24.9083, 0.2622, 0.3123)$

Have a look what the booklet for
Yxy(24.9083, 0.2622, 0.3123)
contains.

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Color

Yxy(24.8991, 0.2621, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	639099
RGB	99, 144, 153
RGB Percent	39%, 56%, 60%
CMY	0.6120, 0.4352, 0.4000
CMYK	0.35, 0.06, 0.00, 0.40
HSL	190°, 21%, 49%
HSV	190°, 35%, 60%
XYZ	20.8633, 24.8991, 33.8383
YIQ	131.5710, -29.7090, -6.7410

Conversions

Conversions Part 2

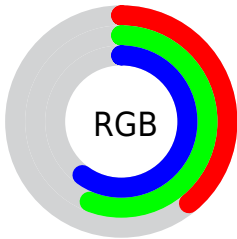
Format	Color
R _Y B	99, 124, 153
Decimal	6525081
CIE Lab	56.98, -12.94, -9.65
CIE LCh	57, 16.143, 216.706
Yxy	24.8991, 0.2621, 0.3128
Android (android.graphics.Color)	4284715161 (0xFF639099)
YUV	131.5710, 10.5645, -28.5648
Hunter-Lab	49.8990, -12.6903, -5.2773

Details

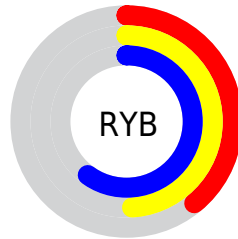
The Yxy color **24.8991, 0.2621, 0.3128** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3797, 0.3886, 0.3444**, and the grayscale version is **22.8778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5686, 0.2731, 0.3171**, and **9.5931, 0.2440, 0.3071** is the 20% darker color. If you saturate the color by 10%, you get **23.3579, 0.2497, 0.3075**, and if you desaturate by 10%, it is **26.6228, 0.2756, 0.3178**.

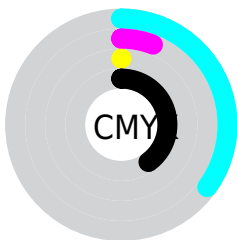
Distribution



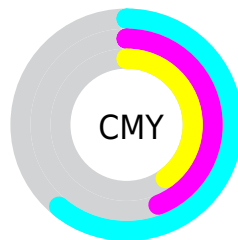
- Red (39%)
- Green (56%)
- Blue (60%)



- Red (39%)
- Yellow (49%)
- Blue (60%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (40%)



- Cyan (61%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8991, 0.2621, 0.3128 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 24.8991, 0.2621, 0.3128 by changing the saturation by 10% instead.

■ 24.8991, 0.2621,
0.3128

■ 24.8991, 0.2621,
0.3128

■ 277.3351, 0.2896,
0.3222

■ 16.0019, 0.2544,
0.3099

■ 51.4935, 0.2727,
0.3166

■ 9.5255, 0.2440,
0.3059

■ 69.9595, 0.2765,
0.3179

■ 5.0855, 0.2292,
0.2997

■ 92.3838, 0.2796,
0.3189

■ 2.2975, 0.2065,
0.2893

■ 119.1509, 0.2822,
0.3198

■ 0.7724, 0.1484,
0.2741

■ 150.6452, 0.2845,
0.3205

■ 0.0000, 0.0000,
0.0000

187.2511, 0.2864,

0.3212

229.3529, 0.2881,
0.3217

■ 24.8991, 0.2621,
0.3128

■ 24.8991, 0.2621,
0.3128

■ 23.3579, 0.2497,
0.3075

■ 26.6228, 0.2756,
0.3178

■ 21.9869, 0.2386,
0.3019

■ 28.5346, 0.2899,
0.3225

■ 20.7768, 0.2292,
0.2962

■ 30.6437, 0.3047,
0.3269

■ 19.7161, 0.2215,
0.2903

■ 32.9575, 0.3198,
0.3308

■ 18.7916, 0.2157,
0.2845

■ 35.4832, 0.3348,
0.3343

■ 17.9858, 0.2117,
0.2787

■ 38.2275, 0.3497,
0.3375

■ 17.6292, 0.2100,
0.2760

■ 41.1969, 0.3643,
0.3403

■ 44.3975, 0.3784,
0.3428

■ 47.8353, 0.3919,
0.3449

Harmonies

Analogous

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



24.8991, 0.2753, 0.3389



24.8991, 0.2621, 0.3128



24.8991, 0.2617, 0.2929

Triad

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



24.8991, 0.2621, 0.3128



24.8991, 0.3253, 0.2981



24.8991, 0.3513, 0.3764

Complementary

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



24.8991, 0.2621, 0.3128



18.3797, 0.3886, 0.3444

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.



24.8991, 0.3662, 0.3627



24.8991, 0.2621, 0.3128



24.8991, 0.3509, 0.3181

Square

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



24.8991, 0.2621, 0.3128



24.8991, 0.2972, 0.2856



24.8991, 0.3661, 0.3413



24.8991, 0.3264, 0.3771

Rectangle

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



24.8991, 0.2621, 0.3128



24.8991, 0.2688, 0.2853



24.8991, 0.3661, 0.3413



24.8991, 0.3577, 0.3730

Sweetspot

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



24.9001, 0.2621, 0.3128



52.6182, 0.2959, 0.3244



26.4912, 0.3012, 0.4158



11.5183, 0.2941, 0.3238



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



24.9001, 0.2621, 0.3128



42.4975, 0.2527, 0.3088



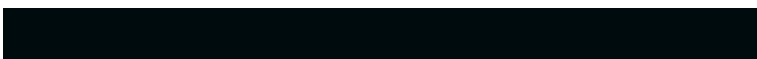
17.8735, 0.2556, 0.2633



6.8519, 0.2989, 0.3252



14.6138, 0.2101, 0.2764



0.2594, 0.2173, 0.3021

Inverse Universe

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



17.6989, 0.3282, 0.2567



27.9766, 0.3323, 0.2418



24.7418, 0.3739, 0.3868



6.3060, 0.3161, 0.3106



6.8806, 0.3668, 0.1794



0.1070, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 24.8991, 0.2621, 0.3128 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 24.8991, 0.2621, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

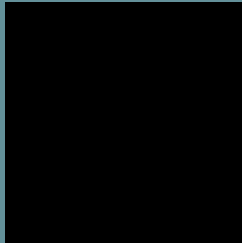
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8991, 0.2621, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 24.8991, 0.2621, 0.3128.



This preview shows how white text looks on a background with the Yxy color 24.8991, 0.2621, 0.3128.

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

24.8991, 0.2621, 0.3128

Protanopia

24.6170, 0.2996, 0.3072

Deuteranopia

24.7171, 0.2980, 0.2932



Tritanopia

25.0224, 0.2614, 0.3093

Trichromacy



Original Color

24.8991, 0.2621, 0.3128

Protanomaly

24.5165, 0.2844, 0.3083

Deuteranomaly

24.5844, 0.2837, 0.3001

Tritanomaly

24.9889, 0.2622, 0.3111

Monochromacy



Original Color

24.8991, 0.2621, 0.3128

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.4948, 0.2915, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8991, 0.2621, 0.3128 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(99, 144, 153)` looks like.

```
.text, #text, p{  
    color:rgb(99, 144, 153)  
}
```

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(99, 144, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 144, 153) }
```

Border

The CSS property to change the border of an element to Yxy 24.8991, 0.2621, 0.3128 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(99, 144, 153) }
```

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

```
.border{ border-color:rgb(99, 144, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 144, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 144, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 144, 153);  
box-shadow:4px 4px 4px 4px rgb(99, 144,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8991, 0.2621, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 144, 153) }
```

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

```
.background{ background-color: rgb(99, 144,  
153) }
```

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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