

Converting Colors

$Y_{xy}(24.8594, 0.2640, 0.3142)$

Have a look what the booklet for
Yxy(24.8594, 0.2640, 0.3142)
contains.

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Color

Yxy(24.9228, 0.2637, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	649098
RGB	100, 144, 152
RGB Percent	39%, 56%, 60%
CMY	0.6079, 0.4353, 0.4038
CMYK	0.34, 0.05, 0.00, 0.40
HSL	189°, 21%, 49%
HSV	189°, 34%, 60%
XYZ	20.8971, 24.9228, 33.4259
YIQ	131.7560, -28.7920, -6.8400

Conversions

Conversions Part 2

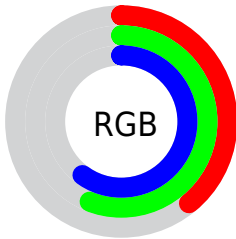
Format	Color
R_{YB}	100, 124, 152
Decimal	6590616
CIE Lab	57.00, -12.88, -9.06
CIE LCh	57, 15.744, 215.114
Yxy	24.9228, 0.2637, 0.3145
Android (android.graphics.Color)	4284780696 (0xFF649098)
YUV	131.7560, 9.9803, -27.8500
Hunter-Lab	49.9227, -12.6466, -4.7518

Details

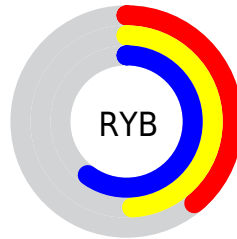
The Yxy color **24.9228, 0.2637, 0.3145** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3266, 0.3857, 0.3429**, and the grayscale version is **22.9534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6167, 0.2743, 0.3184**, and **9.6231, 0.2469, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **23.4335, 0.2513, 0.3096**, and if you desaturate by 10%, it is **26.5906, 0.2772, 0.3191**.

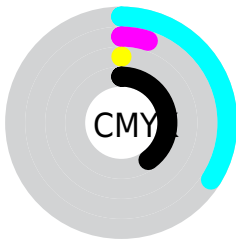
Distribution



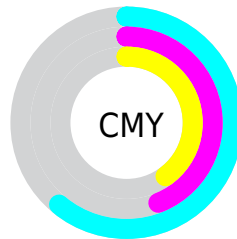
- Red (39%)
- Green (56%)
- Blue (60%)



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



- Cyan (34%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9228, 0.2637, 0.3145 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 24.9228, 0.2637, 0.3145 by changing the saturation by 10% instead.


 24.9228, 0.2637,
0.3145


 24.9228, 0.2637,
0.3145


277.4533, 0.2904,
0.3229


 16.0195, 0.2562,
0.3119


 51.5320, 0.2740,
0.3179

 9.5380, 0.2462,
0.3082


 70.0066, 0.2776,
0.3191

 5.0937, 0.2318,
0.3026

 92.4406, 0.2807,
0.3200

 2.3024, 0.2096,
0.2932

 119.2182, 0.2832,
0.3208

 0.7750, 0.1524,
0.2797

150.7239, 0.2854,
0.3215

 0.0000, 0.0000,
0.0000

187.3421, 0.2873,

0.3220

229.4570, 0.2889,
0.3225

■ 24.9228, 0.2637,
0.3145

■ 24.9228, 0.2637,
0.3145

■ 23.4335, 0.2513,
0.3096

■ 26.5906, 0.2772,
0.3191

■ 22.1105, 0.2402,
0.3045

■ 28.4424, 0.2915,
0.3235

■ 20.9450, 0.2307,
0.2992

■ 30.4869, 0.3064,
0.3274

■ 19.9258, 0.2230,
0.2938

■ 32.7315, 0.3214,
0.3310

■ 19.0401, 0.2172,
0.2884

■ 35.1832, 0.3365,
0.3343

■ 18.2723, 0.2131,
0.2831

■ 37.8485, 0.3515,
0.3372

■ 17.8582, 0.2111,
0.2800

■ 40.7338, 0.3660,
0.3398

■ 43.8451, 0.3801,
0.3420

■ 47.1881, 0.3937,
0.3440

Harmonies

Analogous

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



24.9228, 0.2772, 0.3400



24.9228, 0.2637, 0.3145



24.9228, 0.2627, 0.2946

Triad

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



24.9228, 0.2637, 0.3145



24.9228, 0.3236, 0.2980



24.9228, 0.3515, 0.3748

Complementary

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



24.9228, 0.2637, 0.3145



18.3266, 0.3857, 0.3429

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.



24.9228, 0.3652, 0.3610



24.9228, 0.2637, 0.3145



24.9228, 0.3488, 0.3172

Square

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



24.9228, 0.2637, 0.3145



24.9228, 0.2963, 0.2863



24.9228, 0.3643, 0.3399



24.9228, 0.3275, 0.3762

Rectangle

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



24.9228, 0.2637, 0.3145



24.9228, 0.2691, 0.2868



24.9228, 0.3643, 0.3399



24.9228, 0.3575, 0.3713

Sweetspot

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



24.9238, 0.2637, 0.3145



53.1081, 0.2975, 0.3251



26.2523, 0.3015, 0.4126



11.6231, 0.2956, 0.3246



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.



24.9238, 0.2637, 0.3145



43.1794, 0.2541, 0.3108



17.9818, 0.2575, 0.2657



6.8642, 0.2989, 0.3255



15.0043, 0.2112, 0.2804



0.2628, 0.2178, 0.3041

Inverse Universe

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



17.8045, 0.3268, 0.2581



28.4919, 0.3307, 0.2427



24.5969, 0.3717, 0.3849



6.3073, 0.3159, 0.3104



6.9200, 0.3631, 0.1774



0.1073, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 24.9228, 0.2637, 0.3145 looks on a white background.

Color Contrast Check

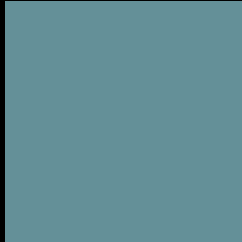
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9228, 0.2637, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

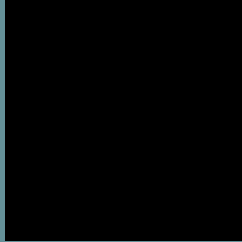
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

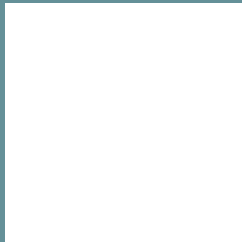
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.9228, 0.2637, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 24.9228, 0.2637, 0.3145.



This preview shows how white text looks on a background with the Yxy color 24.9228, 0.2637, 0.3145.

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

24.9228, 0.2637, 0.3145

Protanopia

24.6688, 0.3016, 0.3089

Deuteranopia

24.7709, 0.3001, 0.2949



Tritanopia

25.0798, 0.2622, 0.3094

Trichromacy



Original Color

24.9228, 0.2637, 0.3145

Protanomaly

24.5578, 0.2863, 0.3100

Deuteranomaly

24.6268, 0.2856, 0.3018

Tritanomaly

25.0463, 0.2630, 0.3111

Monochromacy



Original Color

24.9228, 0.2637, 0.3145

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.4655, 0.2925, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9228, 0.2637, 0.3145 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(100, 144, 152)` looks like.

```
.text, #text, p{  
    color:rgb(100, 144, 152)  
}
```

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(100, 144, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 144, 152) }
```

Border

The CSS property to change the border of an element to Yxy 24.9228, 0.2637, 0.3145 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(100, 144, 152) }
```

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

```
.border{ border-color:rgb(100, 144, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 144, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 144, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 144, 152);  
box-shadow:4px 4px 4px 4px rgb(100, 144,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9228, 0.2637, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 144, 152) }
```

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

```
.background{ background-color: rgb(100,  
144, 152) }
```

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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