

Converting Colors

$Y_{xy}(24.4309, 0.2610, 0.3058)$

Have a look what the booklet for
Yxy(24.4309, 0.2610, 0.3058)
contains.

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Color

$\text{Yxy}(24.4219, 0.2609, 0.3057)$

Conversions

Conversions Part 1

Format	Color
Hex	648E9B
RGB	100, 142, 155
RGB Percent	39%, 56%, 61%
CMY	0.6079, 0.4431, 0.3922
CMYK	0.35, 0.08, 0.00, 0.39
HSL	194°, 22%, 50%
HSV	194°, 35%, 61%
XYZ	20.8429, 24.4219, 34.6237
YIQ	130.9240, -29.2050, -4.8610

Conversions

Conversions Part 2

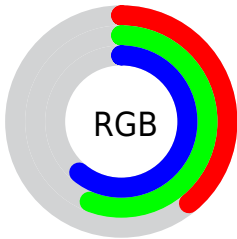
Format	Color
R_{YB}	100, 124, 155
Decimal	6590107
CIE _{Lab}	56.51, -11.02, -11.50
CIE _{LCh}	57, 15.924, 226.221
Yxy	24.4219, 0.2609, 0.3057
Android (android.graphics.Color)	4284780187 (0xFF648E9B)
YUV	130.9240, 11.8695, -27.1203
Hunter-Lab	49.4185, -11.1977, -6.9469

Details

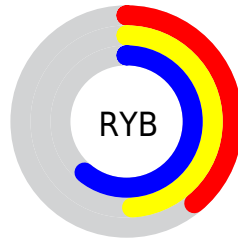
The Yxy color **24.4219, 0.2609, 0.3057** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.6916, 0.3870, 0.3509**, and the grayscale version is **22.6322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8556, 0.2722, 0.3119**, and **9.3319, 0.2428, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **22.5505, 0.2478, 0.2980**, and if you desaturate by 10%, it is **26.4991, 0.2749, 0.3130**.

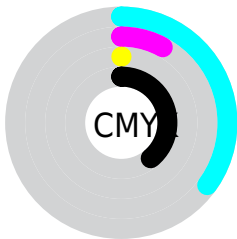
Distribution



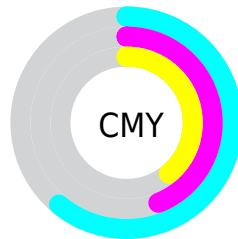
- Red (39%)
- Green (56%)
- Blue (61%)



- Red (39%)
- Yellow (49%)
- Blue (61%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4219, 0.2609, 0.3057 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 24.4219, 0.2609, 0.3057 by changing the saturation by 10% instead.

■ 24.4219, 0.2609,
0.3057

■ 24.4219, 0.2609,
0.3057

■ 274.9466, 0.2891,
0.3190

■ 15.6469, 0.2530,
0.3017

■ 50.7178, 0.2718,
0.3110

■ 9.2746, 0.2423,
0.2961

■ 69.0075, 0.2756,
0.3128

■ 4.9207, 0.2271,
0.2878

■ 91.2375, 0.2789,
0.3143

■ 2.2008, 0.2037,
0.2740

■ 117.7923, 0.2816,
0.3156

■ 0.7204, 0.1449,
0.2511

■ 149.0562, 0.2839,
0.3166

■ 0.0000, 0.0000,
0.0000

185.4136, 0.2859,

0.3175

227.2489, 0.2876,
0.3183

■ 24.4219, 0.2609,
0.3057

■ 24.4219, 0.2609,
0.3057

■ 22.5505, 0.2478,
0.2980

■ 26.4991, 0.2749,
0.3130

■ 20.8721, 0.2360,
0.2899

■ 28.7884, 0.2895,
0.3197

■ 19.3768, 0.2256,
0.2815

■ 31.2993, 0.3045,
0.3259

■ 18.0525, 0.2170,
0.2729

■ 34.0398, 0.3195,
0.3315

■ 16.8852, 0.2102,
0.2644

■ 37.0173, 0.3343,
0.3365

■ 15.8566, 0.2053,
0.2558

■ 40.2392, 0.3489,
0.3410

■ 15.4181, 0.2033,
0.2520

■ 43.7123, 0.3629,
0.3449

■ 47.4432, 0.3765,
0.3484

■ 51.4381, 0.3894,
0.3514

Harmonies

Analogous

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



24.4219, 0.2701, 0.3304



24.4219, 0.2609, 0.3057



24.4219, 0.2647, 0.2889

Triad

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



24.4219, 0.2609, 0.3057



24.4219, 0.3340, 0.3040



24.4219, 0.3440, 0.3778

Complementary

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



24.4219, 0.2609, 0.3057



19.6916, 0.3870, 0.3509

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.



24.4219, 0.3626, 0.3679



24.4219, 0.2609, 0.3057



24.4219, 0.3569, 0.3254

Square

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



24.4219, 0.2609, 0.3057



24.4219, 0.3060, 0.2888



24.4219, 0.3675, 0.3485



24.4219, 0.3175, 0.3738

Rectangle

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



24.4219, 0.2609, 0.3057



24.4219, 0.2743, 0.2838



24.4219, 0.3675, 0.3485



24.4219, 0.3514, 0.3759

Sweetspot

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



24.4229, 0.2609, 0.3057



53.4350, 0.2959, 0.3224



27.3379, 0.2973, 0.4076



11.9693, 0.2940, 0.3216



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.4229, 0.2609, 0.3057



40.9183, 0.2499, 0.2993



17.2570, 0.2540, 0.2540



6.7792, 0.2989, 0.3236



12.4448, 0.2035, 0.2527



0.2398, 0.2140, 0.2904

Inverse Universe

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



18.0322, 0.3334, 0.2619



28.0380, 0.3398, 0.2464



26.7394, 0.3719, 0.3940



6.2987, 0.3171, 0.3122



6.6616, 0.3896, 0.1920



0.1050, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 24.4219, 0.2609, 0.3057 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 24.4219, 0.2609, 0.3057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

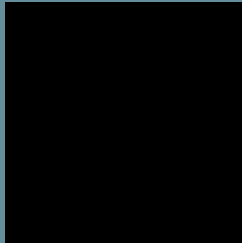
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4219, 0.2609, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 24.4219, 0.2609, 0.3057.



This preview shows how white text looks on a background with the Yxy color 24.4219, 0.2609, 0.3057.

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

24.4219, 0.2609, 0.3057

Protanopia

24.2387, 0.2955, 0.3021

Deuteranopia

24.3401, 0.2939, 0.2882



Tritanopia

24.3884, 0.2617, 0.3074

Trichromacy



Original Color

24.4219, 0.2609, 0.3057

Protanomaly

24.2233, 0.2815, 0.3031

Deuteranomaly

24.2937, 0.2808, 0.2951

Tritanomaly

24.3884, 0.2617, 0.3074

Monochromacy



Original Color

24.4219, 0.2609, 0.3057

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.2145, 0.2915, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4219, 0.2609, 0.3057 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, 142, 155)` looks like.

```
.text, #text, p{  
  color:rgb(100, 142, 155)  
}
```

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, 142, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 142, 155) }
```

Border

The CSS property to change the border of an element to Yxy 24.4219, 0.2609, 0.3057 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, 142, 155) }
```

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

```
.border{ border-color:rgb(100, 142, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 142, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 142, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 142, 155);  
box-shadow:4px 4px 4px 4px rgb(100, 142,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4219, 0.2609, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 142, 155) }
```

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

```
.background{ background-color: rgb(100,  
142, 155) }
```

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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