

Converting Colors

$Yxy(24.5757, 0.2360, 0.2682)$

Have a look what the booklet for
Yxy(24.5757, 0.2360, 0.2682)
contains.

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Color

$Y_{xy}(24.5950, 0.2366, 0.2690)$

Conversions

Conversions Part 1

Format	Color
Hex	588EB1
RGB	88, 142, 177
RGB Percent	35%, 56%, 69%
CMY	0.6549, 0.4431, 0.3059
CMYK	0.50, 0.20, 0.00, 0.31
HSL	204°, 36%, 52%
HSV	204°, 50%, 69%
XYZ	21.6326, 24.5950, 45.2036
YIQ	129.8440, -43.4190, -0.5630

Conversions

Conversions Part 2

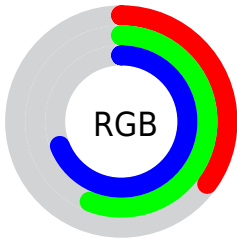
Format	Color
R _Y B	88, 122, 177
Decimal	5803697
CIE Lab	56.68, -7.99, -23.89
CIE LCh	57, 25.193, 251.501
Yxy	24.5950, 0.2366, 0.2690
Android (android.graphics.Color)	4283993777 (0xFF588EB1)
YUV	129.8440, 23.2479, -36.6972
Hunter-Lab	49.5933, -8.9266, -19.3266

Details

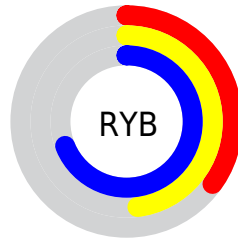
The Yxy color **24.5950, 0.2366, 0.2690** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.2157, 0.4236, 0.3803**, and the grayscale version is **22.1929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2027, 0.2522, 0.2820**, and **9.3855, 0.2114, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **21.8277, 0.2233, 0.2545**, and if you desaturate by 10%, it is **27.7032, 0.2510, 0.2829**.

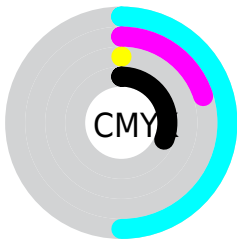
Distribution



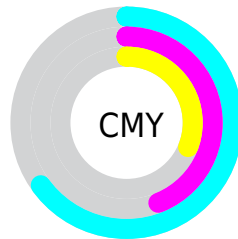
- Red (35%)
- Green (56%)
- Blue (69%)



- Red (35%)
- Yellow (48%)
- Blue (69%)



- Cyan (50%)
- Magenta (20%)
- Yellow (0%)
- Black (31%)





- Cyan (65%)
- Magenta (44%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5950, 0.2366, 0.2690 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 24.5950, 0.2366, 0.2690 by changing the saturation by 10% instead.


 24.5950, 0.2366,
0.2690


 24.5950, 0.2366,
0.2690


275.8150, 0.2775,
0.3021


 15.7756, 0.2255,
0.2597


 50.9994, 0.2521,
0.2818

 9.3655, 0.2109,
0.2471


 69.3532, 0.2577,
0.2864

 4.9803, 0.1907,
0.2292

 91.6539, 0.2624,
0.2902

 2.2357, 0.1614,
0.2023

 118.2859, 0.2664,
0.2933

 0.7394, 0.1092,
0.1590

149.6337, 0.2697,
0.2960

 0.0000, 0.0000,
0.0000

186.0815, 0.2727,

0.2983

228.0138, 0.2752,
0.3004

■ 24.5950, 0.2366,
0.2690

■ 24.5950, 0.2366,
0.2690

■ 21.8277, 0.2233,
0.2545

■ 27.7032, 0.2510,
0.2829

■ 19.3806, 0.2115,
0.2395

■ 31.1657, 0.2662,
0.2959

■ 17.2349, 0.2015,
0.2244

■ 34.9983, 0.2816,
0.3079

■ 15.3672, 0.1936,
0.2094

■ 39.2149, 0.2971,
0.3188

■ 13.7746, 0.1876,
0.1952

■ 43.8287, 0.3123,
0.3287

■ 48.8519, 0.3270,
0.3376

■ 54.2965, 0.3412,
0.3455

■ 60.1735, 0.3547,
0.3524

■ 66.4939, 0.3674,
0.3585

Harmonies

Analogous

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



24.5950, 0.2338, 0.2964



24.5950, 0.2366, 0.2690



24.5950, 0.2580, 0.2588

Triad

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



24.5950, 0.2366, 0.2690



24.5950, 0.3781, 0.3168



24.5950, 0.3260, 0.4042

Complementary

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



24.5950, 0.2366, 0.2690



24.2157, 0.4236, 0.3803

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.



24.5950, 0.3667, 0.4050



24.5950, 0.2366, 0.2690



24.5950, 0.3986, 0.3519

Square

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



24.5950, 0.2366, 0.2690



24.5950, 0.3390, 0.2861



24.5950, 0.3939, 0.3843



24.5950, 0.2835, 0.3784

Rectangle

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



24.5950, 0.2366, 0.2690



24.5950, 0.2811, 0.2614



24.5950, 0.3939, 0.3843



24.5950, 0.3404, 0.4073

Sweetspot

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



24.5959, 0.2366, 0.2690



66.3905, 0.2894, 0.3135



34.9280, 0.2832, 0.4251



14.0548, 0.2862, 0.3113



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



24.5959, 0.2366, 0.2690



38.7489, 0.2224, 0.2534



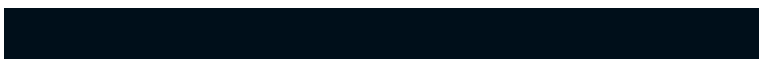
14.0547, 0.2215, 0.1903



9.0594, 0.2986, 0.3198



10.1006, 0.1880, 0.1968



0.4275, 0.1994, 0.2378

Inverse Universe

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



18.2787, 0.3655, 0.2521



27.4692, 0.3823, 0.2384



37.5500, 0.3917, 0.4371



8.5890, 0.3196, 0.3153



7.5598, 0.4489, 0.2247



0.2489, 0.4046, 0.2002

Previews

White Background



This preview shows how the Yxy color 24.5950, 0.2366, 0.2690 looks on a white background.

Color Contrast Check

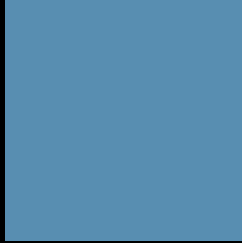
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5950, 0.2366, 0.2690 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

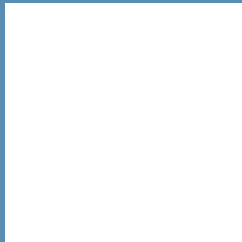
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5950, 0.2366, 0.2690

Background



This preview shows how black text looks on a background with the Yxy color 24.5950, 0.2366, 0.2690.

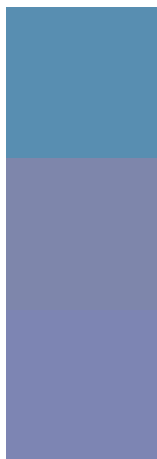


This preview shows how white text looks on a background with the Yxy color 24.5950, 0.2366, 0.2690.

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

24.5950, 0.2366, 0.2690

Protanopia

24.4261, 0.2694, 0.2688

Deuteranopia

24.3897, 0.2618, 0.2556



Tritanopia

24.4344, 0.2462, 0.3069

Trichromacy



Original Color

24.5950, 0.2366, 0.2690

Protanomaly

24.3532, 0.2559, 0.2690

Deuteranomaly

24.2674, 0.2520, 0.2600

Tritanomaly

24.5117, 0.2431, 0.2931

Monochromacy



Original Color

24.5950, 0.2366, 0.2690

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8016, 0.2798, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5950, 0.2366, 0.2690 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(88, 142, 177)` looks like.

```
.text, #text, p{  
    color:rgb(88, 142, 177)  
}
```

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(88, 142, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 142, 177) }
```

Border

The CSS property to change the border of an element to Yxy 24.5950, 0.2366, 0.2690 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(88, 142, 177) }
```

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

```
.border{ border-color:rgb(88, 142, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 142, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 142, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 142, 177);  
box-shadow:4px 4px 4px 4px rgb(88, 142,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5950, 0.2366, 0.2690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 142, 177) }
```

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

```
.background{ background-color: rgb(88, 142,  
177) }
```

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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