

Converting Colors

$Y_{xy}(24.6331, 0.2317, 0.2527)$

Have a look what the booklet for
Yxy(24.6331, 0.2317, 0.2527)
contains.

Yxy(24.4750, 0.2317, 0.2525)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4750, 0.2317, 0.2525)

Conversions

Conversions Part 1

Format	Color
Hex	5A8CBA
RGB	90, 140, 186
RGB Percent	35%, 55%, 73%
CMY	0.6470, 0.4510, 0.2706
CMYK	0.52, 0.25, 0.00, 0.27
HSL	209°, 41%, 54%
HSV	209°, 52%, 73%
XYZ	22.4588, 24.4750, 49.9969
YIQ	130.2940, -44.5660, 3.7060

Conversions

Conversions Part 2

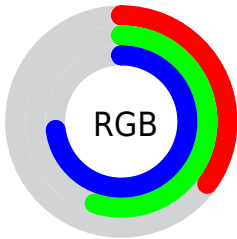
Format	Color
R _Y B	90, 123, 186
Decimal	5934266
CIE Lab	56.56, -3.65, -29.19
CIE LCh	57, 29.420, 262.883
Yxy	24.4750, 0.2317, 0.2525
Android (android.graphics.Color)	4284124346 (0xFF5A8CBA)
YUV	130.2940, 27.4631, -35.3378
Hunter-Lab	49.4722, -5.5429, -25.2882

Details

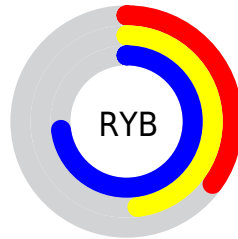
The Yxy color **24.4750, 0.2317, 0.2525** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.7934, 0.4216, 0.3928**, and the grayscale version is **22.3473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5705, 0.2479, 0.2681**, and **9.2818, 0.2043, 0.2250** is the 20% darker color. If you saturate the color by 10%, you get **21.1560, 0.2173, 0.2343**, and if you desaturate by 10%, it is **28.2403, 0.2471, 0.2699**.

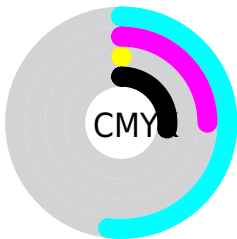
Distribution



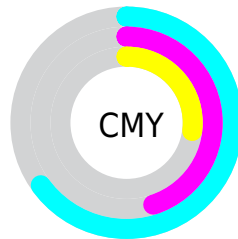
- Red (35%)
- Green (55%)
- Blue (73%)



- Red (35%)
- Yellow (48%)
- Blue (73%)



- Cyan (52%)
- Magenta (25%)
- Yellow (0%)
- Black (27%)



- Cyan (65%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4750, 0.2317, 0.2525 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 24.4750, 0.2317, 0.2525 by changing the saturation by 10% instead.

■ 24.4750, 0.2317,
0.2525

■ 24.4750, 0.2317,
0.2525

275.2132, 0.2751,
0.2940

■ 15.6863, 0.2201,
0.2412

■ 50.8042, 0.2481,
0.2683

■ 9.3025, 0.2047,
0.2262

■ 69.1136, 0.2541,
0.2740

■ 4.9390, 0.1838,
0.2054

■ 91.3653, 0.2590,
0.2788

■ 2.2115, 0.1540,
0.1754

■ 117.9438, 0.2633,
0.2828

■ 0.7263, 0.1069,
0.1291

149.2334, 0.2669,
0.2862

■ 0.0000, 0.0000,
0.0000

185.6186, 0.2700,

0.2892

227.4837, 0.2727,
0.2917

■ 24.4750, 0.2317,
0.2525

■ 24.4750, 0.2317,
0.2525

■ 21.1560, 0.2173,
0.2343

■ 28.2403, 0.2471,
0.2699

■ 18.2579, 0.2044,
0.2157

■ 32.4699, 0.2630,
0.2862

■ 15.7561, 0.1935,
0.1972

■ 37.1838, 0.2791,
0.3012

■ 13.6211, 0.1849,
0.1792

■ 42.4001, 0.2949,
0.3149

■ 12.0676, 0.1791,
0.1647

■ 48.1355, 0.3103,
0.3272

■ 54.4061, 0.3250,
0.3381

■ 61.2271, 0.3389,
0.3478

■ 68.6130, 0.3520,
0.3564

■ 76.1154, 0.3624,
0.3641

Harmonies

Analogous

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



24.4750, 0.2203, 0.2762



24.4750, 0.2317, 0.2525



24.4750, 0.2634, 0.2488

Triad

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



24.4750, 0.2317, 0.2525



24.4750, 0.4017, 0.3294



24.4750, 0.3083, 0.4098

Complementary

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



24.4750, 0.2317, 0.2525



28.7934, 0.4216, 0.3928

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.



24.4750, 0.3581, 0.4214



24.4750, 0.2317, 0.2525



24.4750, 0.4146, 0.3696

Square

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



24.4750, 0.2317, 0.2525



24.4750, 0.3623, 0.2916



24.4750, 0.3977, 0.4041



24.4750, 0.2619, 0.3697

Rectangle

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



24.4750, 0.2317, 0.2525



24.4750, 0.2936, 0.2565



24.4750, 0.3977, 0.4041



24.4750, 0.3252, 0.4172

Sweetspot

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



24.4759, 0.2317, 0.2525



73.2956, 0.2892, 0.3100



39.0383, 0.2775, 0.4145



15.6985, 0.2859, 0.3071



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



24.4759, 0.2317, 0.2525



37.5518, 0.2154, 0.2317



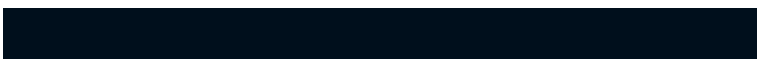
13.5872, 0.2160, 0.1725



9.4723, 0.2985, 0.3178



8.2693, 0.1797, 0.1669



0.4147, 0.1924, 0.2124

Inverse Universe

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



19.6487, 0.3799, 0.2606



29.4975, 0.4030, 0.2486



44.9648, 0.3889, 0.4485



9.0882, 0.3209, 0.3172



7.6171, 0.4845, 0.2443



0.2810, 0.4315, 0.2150

Previews

White Background



This preview shows how the Yxy color 24.4750, 0.2317, 0.2525 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 24.4750, 0.2317, 0.2525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

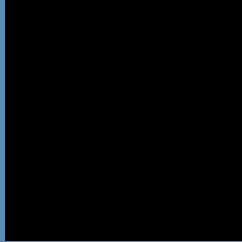
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

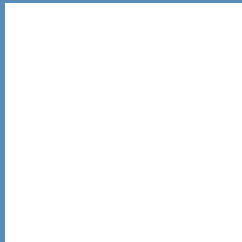
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4750, 0.2317, 0.2525

Background



This preview shows how black text looks on a background with the Yxy color 24.4750, 0.2317, 0.2525.

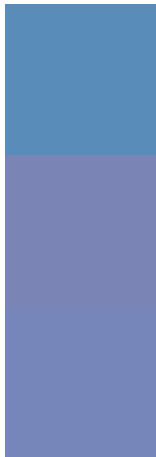


This preview shows how white text looks on a background with the Yxy color 24.4750, 0.2317, 0.2525.

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

24.4750, 0.2317, 0.2525

Protanopia

24.2488, 0.2576, 0.2523

Deuteranopia

24.4896, 0.2500, 0.2452



Tritanopia

24.3906, 0.2456, 0.3068

Trichromacy



Original Color

24.4750, 0.2317, 0.2525

Protanomaly

24.3422, 0.2468, 0.2526

Deuteranomaly

24.3843, 0.2425, 0.2468

Tritanomaly

24.3569, 0.2401, 0.2847

Monochromacy



Original Color

24.4750, 0.2317, 0.2525

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.8970, 0.2771, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4750, 0.2317, 0.2525 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(90, 140, 186)` looks like.

```
.text, #text, p{  
    color:rgb(90, 140, 186)  
}
```

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(90, 140, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 140, 186) }
```

Border

The CSS property to change the border of an element to Yxy 24.4750, 0.2317, 0.2525 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(90, 140, 186) }
```

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

```
.border{ border-color:rgb(90, 140, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 140, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 140, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 140, 186);  
box-shadow:4px 4px 4px 4px rgb(90, 140,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4750, 0.2317, 0.2525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 140, 186) }
```

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

```
.background{ background-color: rgb(90, 140,  
186) }
```

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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