

Converting Colors

$Y_{xy}(24.3814, 0.2273, 0.2219)$

Have a look what the booklet for
Yxy(24.3814, 0.2273, 0.2219)
contains.

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Color

Yxy(24.5124, 0.2275, 0.2227)

Conversions

Conversions Part 1

Format	Color
Hex	6687CC
RGB	102, 135, 204
RGB Percent	40%, 53%, 80%
CMY	0.5999, 0.4706, 0.2001
CMYK	0.50, 0.34, 0.00, 0.20
HSL	221°, 50%, 60%
HSV	221°, 50%, 80%
XYZ	25.0407, 24.5124, 60.5160
YIQ	132.9990, -41.8170, 14.4630

Conversions

Conversions Part 2

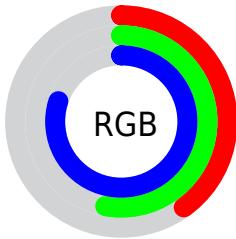
Format	Color
R_{YB}	102, 127, 204
Decimal	6719436
CIE Lab	56.60, 7.61, -39.27
CIE LCh	57, 40.001, 280.973
Yxy	24.5124, 0.2275, 0.2227
Android (android.graphics.Color)	4284909516 (0xFF6687CC)
YUV	132.9990, 35.0035, -27.1861
Hunter-Lab	49.5100, 3.6377, -37.8131

Details

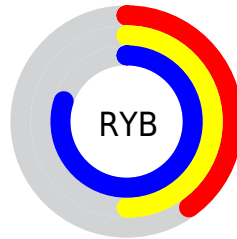
The Yxy color `24.5124, 0.2275, 0.2227` is a dark color, and the websafe version is hex `6699CC`. A complement of this color would be `42.9121, 0.4047, 0.4149`, and the grayscale version is `23.3387, 0.3127, 0.3290`.

A 20% lighter version of the original color is `50.4555, 0.2478, 0.2494`, and `9.3610, 0.2003, 0.1915` is the 20% darker color. If you saturate the color by 10%, you get `19.8601, 0.2102, 0.1969`, and if you desaturate by 10%, it is `29.9586, 0.2455, 0.2476`.

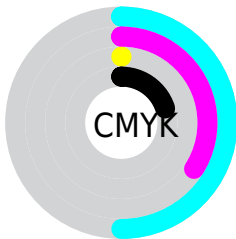
Distribution



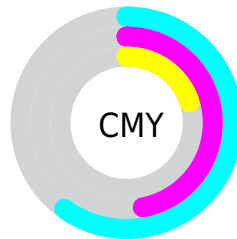
- Red (40%)
- Green (53%)
- Blue (80%)



- Red (40%)
- Yellow (50%)
- Blue (80%)



- Cyan (50%)
- Magenta (34%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (47%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5124, 0.2275, 0.2227 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 24.5124, 0.2275, 0.2227 by changing the saturation by 10% instead.

■ 24.5124, 0.2275,
0.2227

■ 24.5124, 0.2275,
0.2227

275.4009, 0.2731,
0.2781

■ 15.7142, 0.2155,
0.2085

■ 50.8651, 0.2446,
0.2432

■ 9.3221, 0.1998,
0.1903

■ 69.1883, 0.2509,
0.2508

■ 4.9519, 0.1787,
0.1664

■ 91.4553, 0.2561,
0.2572

■ 2.2191, 0.1494,
0.1342

■ 118.0505, 0.2606,
0.2626

■ 0.7304, 0.1084,
0.0899

149.3582, 0.2644,
0.2673

■ 0.0000, 0.0000,
0.0000

185.7630, 0.2677,

0.2714

227.6490, 0.2705,
0.2750

■ 24.5124, 0.2275,
0.2227

■ 24.5124, 0.2275,
0.2227

■ 19.8601, 0.2102,
0.1969

■ 29.9586, 0.2455,
0.2476

■ 15.9583, 0.1943,
0.1710

■ 36.2337, 0.2634,
0.2710

■ 12.7624, 0.1807,
0.1462

■ 43.3738, 0.2808,
0.2925

■ 10.2214, 0.1701,
0.1237

■ 51.4116, 0.2973,
0.3118

■ 8.2565, 0.1623,
0.1044

■ 60.3785, 0.3127,
0.3290

■ 8.2530, 0.1623,
0.1043

■ 70.3039, 0.3270,
0.3442

■ 81.2160, 0.3400,
0.3575

■ 91.1565, 0.3447,
0.3701

■ 97.1380, 0.3430,
0.3791

Harmonies

Analogous

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



24.5124, 0.1973, 0.2358



24.5124, 0.2275, 0.2227



24.5124, 0.2819, 0.2330

Triad

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



24.5124, 0.2275, 0.2227



24.5124, 0.4490, 0.3583



24.5124, 0.2659, 0.4118

Complementary

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



24.5124, 0.2275, 0.2227



42.9121, 0.4047, 0.4149

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.



24.5124, 0.3313, 0.4532



24.5124, 0.2275, 0.2227



24.5124, 0.4395, 0.4091

Square

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



24.5124, 0.2275, 0.2227



24.5124, 0.4160, 0.3070



24.5124, 0.3950, 0.4475



24.5124, 0.2165, 0.3407

Rectangle

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



24.5124, 0.2275, 0.2227



24.5124, 0.3278, 0.2510



24.5124, 0.3950, 0.4475



24.5124, 0.2867, 0.4305

Sweetspot

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



24.5133, 0.2275, 0.2227



78.0412, 0.2888, 0.3020



48.8971, 0.2663, 0.3794



16.1043, 0.2853, 0.2978



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



24.5133, 0.2275, 0.2227



32.3392, 0.2088, 0.1948



17.7882, 0.2318, 0.1772



11.4268, 0.2983, 0.3129



5.3475, 0.1630, 0.1068



0.4137, 0.1742, 0.1471

Inverse Universe

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



24.0892, 0.4055, 0.2872



33.0134, 0.4383, 0.2803



54.6906, 0.3707, 0.4559



11.2725, 0.3240, 0.3215



8.3428, 0.5657, 0.2890



0.4443, 0.5097, 0.2582

Previews

White Background



This preview shows how the Yxy color 24.5124, 0.2275, 0.2227 looks on a white background.

Color Contrast Check

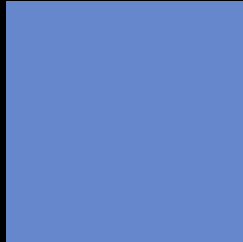
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5124, 0.2275, 0.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

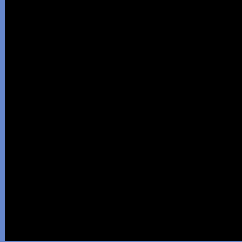
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

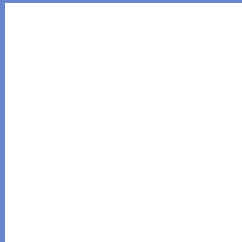
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5124, 0.2275, 0.2227

Background



This preview shows how black text looks on a background with the Yxy color 24.5124, 0.2275, 0.2227.

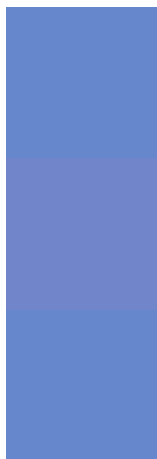


This preview shows how white text looks on a background with the Yxy color 24.5124, 0.2275, 0.2227.

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

24.5124, 0.2275, 0.2227

Protanopia

24.4841, 0.2351, 0.2237

Deuteranopia

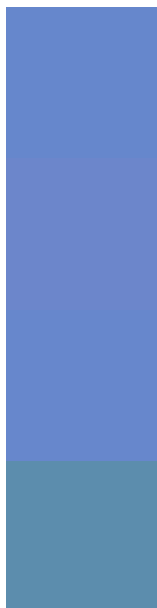
24.5711, 0.2281, 0.2228



Tritanopia

24.6773, 0.2510, 0.3089

Trichromacy



Original Color

24.5124, 0.2275, 0.2227

Protanomaly

24.5501, 0.2319, 0.2233

Deuteranomaly

24.5711, 0.2281, 0.2228

Tritanomaly

24.3422, 0.2416, 0.2737

Monochromacy



Original Color

24.5124, 0.2275, 0.2227

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.6910, 0.2759, 0.2866

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5124, 0.2275, 0.2227 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(102, 135, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 135, 204)  
}
```

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(102, 135, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 135, 204) }
```

Border

The CSS property to change the border of an element to Yxy 24.5124, 0.2275, 0.2227 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(102, 135, 204) }
```

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

```
.border{ border-color:rgb(102, 135, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 135, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 135, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 135, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 135,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5124, 0.2275, 0.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 135, 204) }
```

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

```
.background{ background-color: rgb(102,  
135, 204) }
```

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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