

Converting Colors

$Y_{xy}(24.2950, 0.2306, 0.2101)$

Have a look what the booklet for
Yxy(24.2950, 0.2306, 0.2101)
contains.

Yxy(24.2458, 0.2303, 0.2093)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.2458, 0.2303, 0.2093)

Conversions

Conversions Part 1

Format	Color
Hex	7282D3
RGB	114, 130, 211
RGB Percent	45%, 51%, 83%
CMY	0.5531, 0.4902, 0.1724
CMYK	0.46, 0.38, 0.00, 0.17
HSL	230°, 52%, 64%
HSV	230°, 46%, 83%
XYZ	26.6785, 24.2458, 64.9180
YIQ	134.4500, -35.5370, 21.7990

Conversions

Conversions Part 2

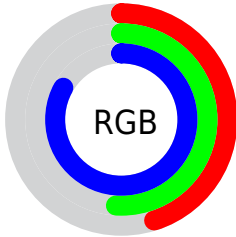
Format	Color
RYB	114, 128, 211
Decimal	7504595
CIELab	56.33, 15.59, -43.62
CIELCh	56, 46.323, 289.672
Yxy	24.2458, 0.2303, 0.2093
Android (android.graphics.Color)	4285694675 (0xFF7282D3)
YUV	134.4500, 37.7392, -17.9346
Hunter-Lab	49.2400, 10.5421, -43.6999

Details

The Yxy color **24.2458, 0.2303, 0.2093** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **54.0888, 0.3883, 0.4251**, and the grayscale version is **23.8809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6330, 0.2544, 0.2449**, and **9.1847, 0.2034, 0.1748** is the 20% darker color. If you saturate the color by 10%, you get **18.6996, 0.2107, 0.1783**, and if you desaturate by 10%, it is **30.9222, 0.2501, 0.2395**.

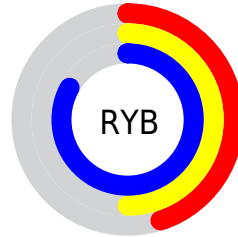
Distribution



Red (45%)

Green (51%)

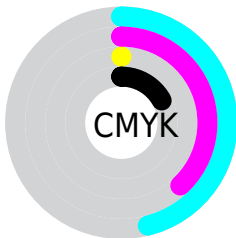
Blue (83%)



Red (45%)

Yellow (50%)

Blue (83%)

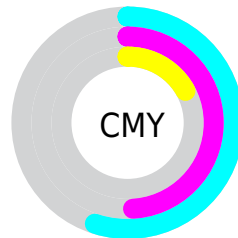


Cyan (46%)

Magenta (38%)

Yellow (0%)

Black (17%)



Cyan (55%)

Magenta (49%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2458, 0.2303, 0.2093 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 24.2458, 0.2303, 0.2093 by changing the saturation by 10% instead.

■ 24.2458, 0.2303,
0.2093

■ 24.2458, 0.2303,
0.2093

274.0608, 0.2747,
0.2705

■ 15.5161, 0.2185,
0.1941

■ 50.4310, 0.2470,
0.2316

■ 9.1824, 0.2032,
0.1750

■ 68.6553, 0.2531,
0.2400

■ 4.8603, 0.1826,
0.1503

■ 90.8132, 0.2582,
0.2470

■ 2.1655, 0.1542,
0.1180

117.2891, 0.2625,
0.2531

■ 0.7011, 0.1144,
0.0754

148.4674, 0.2662,
0.2583

■ 0.0000, 0.0000,
0.0000

184.7325, 0.2694,

0.2629

226.4689, 0.2722,
0.2669

■ 24.2458, 0.2303,
0.2093

■ 24.2458, 0.2303,
0.2093

■ 18.6996, 0.2107,
0.1783

■ 30.9222, 0.2501,
0.2395

■ 14.2175, 0.1923,
0.1479

■ 38.7848, 0.2692,
0.2677

■ 10.7301, 0.1765,
0.1200

■ 47.8889, 0.2872,
0.2935

■ 8.1585, 0.1642,
0.0965

■ 58.2854, 0.3036,
0.3165

■ 6.4103, 0.1561,
0.0788

■ 70.0226, 0.3185,
0.3368

■ 5.8995, 0.1537,
0.0734

■ 83.1461, 0.3317,
0.3545

■ 96.4099, 0.3390,
0.3705

■ 97.4844, 0.3387,
0.3720

Harmonies

Analogous

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



24.2458, 0.1886, 0.2151



24.2458, 0.2303, 0.2093



24.2458, 0.2988, 0.2278

Triad

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



24.2458, 0.2303, 0.2093



24.2458, 0.4719, 0.3769



24.2458, 0.2388, 0.4037

Complementary

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



24.2458, 0.2303, 0.2093



54.0888, 0.3883, 0.4251

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.



24.2458, 0.3097, 0.4673



24.2458, 0.2303, 0.2093



24.2458, 0.4459, 0.4335

Square

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



24.2458, 0.2303, 0.2093



24.2458, 0.4488, 0.3188



24.2458, 0.3854, 0.4730



24.2458, 0.1917, 0.3169

Rectangle

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



24.2458, 0.2303, 0.2093



24.2458, 0.3538, 0.2517



24.2458, 0.3854, 0.4730



24.2458, 0.2606, 0.4300

Sweetspot

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



24.2467, 0.2303, 0.2093



76.2858, 0.2903, 0.2980



54.1094, 0.2601, 0.3512



15.6233, 0.2866, 0.2927



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.



24.2467, 0.2303, 0.2093



29.0055, 0.2115, 0.1795



22.8710, 0.2536, 0.1954



11.7289, 0.2982, 0.3090



3.6603, 0.1542, 0.0752



0.3051, 0.1627, 0.1056

Inverse Universe

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



27.4910, 0.4153, 0.3093



35.2975, 0.4503, 0.3061



57.3599, 0.3536, 0.4523



11.8397, 0.3265, 0.3252



8.4408, 0.6147, 0.3160



0.4821, 0.5675, 0.2900

Previews

White Background



This preview shows how the Yxy color 24.2458, 0.2303, 0.2093 looks on a white background.

Color Contrast Check

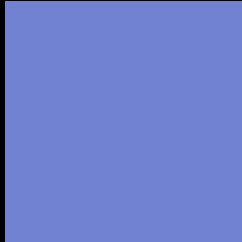
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2458, 0.2303, 0.2093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

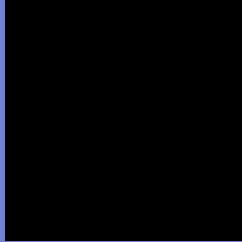
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2458, 0.2303, 0.2093

Background



This preview shows how black text looks on a background with the Yxy color 24.2458, 0.2303, 0.2093.

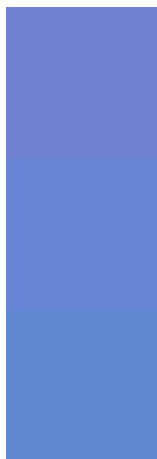


This preview shows how white text looks on a background with the Yxy color 24.2458, 0.2303, 0.2093.

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

24.2458, 0.2303, 0.2093

Protanopia

24.2497, 0.2230, 0.2082

Deuteranopia

24.4140, 0.2198, 0.2145



Tritanopia

24.2426, 0.2608, 0.3091

Trichromacy



Original Color

24.2458, 0.2303, 0.2093

Protanomaly

24.1742, 0.2259, 0.2085

Deuteranomaly

24.2530, 0.2236, 0.2126

Tritanomaly

24.1760, 0.2489, 0.2682

Monochromacy



Original Color

24.2458, 0.2303, 0.2093

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.8957, 0.2780, 0.2808

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2458, 0.2303, 0.2093 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(114, 130, 211)` looks like.

```
.text, #text, p{  
    color:rgb(114, 130, 211)  
}
```

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(114, 130, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 130, 211) }
```

Border

The CSS property to change the border of an element to Yxy 24.2458, 0.2303, 0.2093 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(114, 130, 211) }
```

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

```
.border{ border-color:rgb(114, 130, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 130, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 130, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 130, 211);  
box-shadow:4px 4px 4px 4px rgb(114, 130,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2458, 0.2303, 0.2093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 130, 211) }
```

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

```
.background{ background-color: rgb(114,  
130, 211) }
```

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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