

Converting Colors

$Y_{xy}(23.5273, 0.2732, 0.2204)$

Have a look what the booklet for
Yxy(23.5273, 0.2732, 0.2204)
contains.

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Color

Yxy(23.5273, 0.2732, 0.2204)

Conversions

Conversions Part 1

Format	Color
Hex	9876C2
RGB	152, 118, 194
RGB Percent	60%, 46%, 76%
CMY	0.4040, 0.5372, 0.2391
CMYK	0.22, 0.39, 0.00, 0.24
HSL	267°, 38%, 61%
HSV	267°, 39%, 76%
XYZ	29.1636, 23.5273, 54.0573
YIQ	136.8300, -4.1320, 30.8440

Conversions

Conversions Part 2

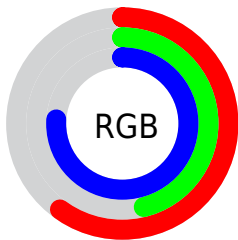
Format	Color
RYB	152, 118, 194
Decimal	9991874
CIELab	55.61, 28.57, -34.90
CIELCh	56, 45.101, 309.305
Yxy	23.5273, 0.2732, 0.2204
Android (android.graphics.Color)	4288181954 (0xFF9876C2)
YUV	136.8300, 28.1848, 13.3041
Hunter-Lab	48.5049, 22.4395, -32.1234

Details

The Yxy color **23.5273, 0.2732, 0.2204** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **47.3822, 0.3408, 0.4355**, and the grayscale version is **24.8416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3563, 0.2818, 0.2410**, and **8.8023, 0.2572, 0.1885** is the 20% darker color. If you saturate the color by 10%, you get **18.4296, 0.2600, 0.1902**, and if you desaturate by 10%, it is **29.6605, 0.2853, 0.2504**.

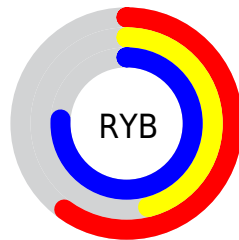
Distribution



Red (60%)

Green (46%)

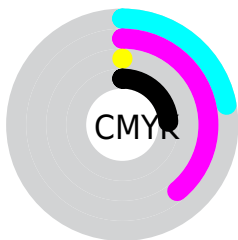
Blue (76%)



Red (60%)

Yellow (46%)

Blue (76%)

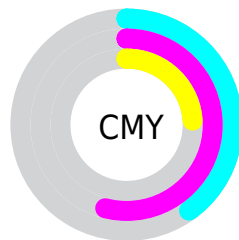


Cyan (22%)

Magenta (39%)

Yellow (0%)

Black (24%)



Cyan (40%)


Magenta (54%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5273, 0.2732, 0.2204 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 23.5273, 0.2732, 0.2204 by changing the saturation by 10% instead.


 23.5273, 0.2732,
0.2204


 23.5273, 0.2732,
0.2204


270.4219, 0.2959,
0.2760


 14.9833, 0.2666,
0.2064


 49.2577, 0.2822,
0.2407

 8.8077, 0.2575,
0.1885


 67.2130, 0.2853,
0.2483

 4.6160, 0.2445,
0.1651


 89.0741, 0.2879,
0.2548

 2.0237, 0.2247,
0.1335

115.2255, 0.2900,
0.2602

 0.6212, 0.1930,
0.0874

146.0516, 0.2919,
0.2650

 0.0000, 0.0946,
0.0000

181.9368, 0.2934,

 0.0000, 0.0000,

0.2691

0.0000

223.2654, 0.2947,
0.2727

■ 23.5273, 0.2732,
0.2204

■ 23.5273, 0.2732,
0.2204

■ 18.4296, 0.2600,
0.1902

■ 29.6605, 0.2853,
0.2504

■ 14.3040, 0.2459,
0.1611

■ 36.8817, 0.2960,
0.2792

■ 11.0844, 0.2315,
0.1346


■ 45.2435, 0.3053,
0.3062


■ 8.6950, 0.2175,
0.1124


■ 54.7938, 0.3133,
0.3309

■ 7.0466, 0.2045,
0.0956


■ 65.5779, 0.3201,
0.3534

 5.9852, 0.1930,
0.0840

 77.6388, 0.3258,
0.3736

 5.9081, 0.1921,
0.0832

 91.0171, 0.3306,
0.3916

 93.5649, 0.3375,
0.3913

 95.4766, 0.3447,
0.3898

Harmonies

Analogous

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



23.5273, 0.2141, 0.2100



23.5273, 0.2732, 0.2204



23.5273, 0.3522, 0.2523

Triad

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



23.5273, 0.2732, 0.2204



23.5273, 0.4575, 0.4139



23.5273, 0.2062, 0.3461

Complementary

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



23.5273, 0.2732, 0.2204



47.3822, 0.3408, 0.4355

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.



23.5273, 0.2624, 0.4290



23.5273, 0.2732, 0.2204



23.5273, 0.4078, 0.4609

Square

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



23.5273, 0.2732, 0.2204



23.5273, 0.4672, 0.3565



23.5273, 0.3363, 0.4734



23.5273, 0.1794, 0.2705

Rectangle

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



23.5273, 0.2732, 0.2204



23.5273, 0.4049, 0.2829



23.5273, 0.3363, 0.4734



23.5273, 0.2220, 0.3751

Sweetspot

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



23.5282, 0.2732, 0.2204



77.1627, 0.3027, 0.2983



33.2676, 0.2516, 0.2792



16.4473, 0.3014, 0.2947



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.



23.5282, 0.2732, 0.2204



34.5933, 0.2619, 0.1945



27.6684, 0.3118, 0.2319



9.9633, 0.3052, 0.3057



3.9304, 0.1935, 0.0839



0.2106, 0.2192, 0.0981

Inverse Universe

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



26.9716, 0.3555, 0.2733



41.9176, 0.3690, 0.2614



44.1194, 0.3109, 0.4461



10.1691, 0.3204, 0.3163



8.2597, 0.4715, 0.2371



0.3706, 0.4291, 0.2138

Previews

White Background



This preview shows how the Yxy color 23.5273, 0.2732, 0.2204 looks on a white background.

Color Contrast Check

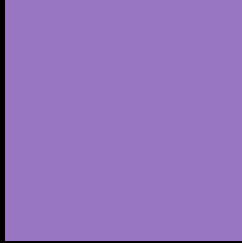
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5273, 0.2732, 0.2204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

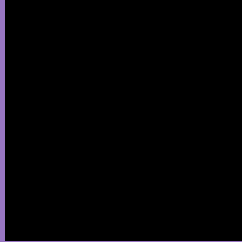
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5273, 0.2732, 0.2204

Background



This preview shows how black text looks on a background with the Yxy color 23.5273, 0.2732, 0.2204.



This preview shows how white text looks on a background with the Yxy color 23.5273, 0.2732, 0.2204.

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

23.5273, 0.2732, 0.2204

Protanopia

23.7662, 0.2291, 0.2161

Deuteranopia

23.6436, 0.2411, 0.2354



Tritanopia

23.6984, 0.3170, 0.3124

Trichromacy



Original Color

23.5273, 0.2732, 0.2204

Protanomaly

23.3497, 0.2425, 0.2164

Deuteranomaly

23.4201, 0.2516, 0.2292

Tritanomaly

23.5708, 0.2995, 0.2751

Monochromacy



Original Color

23.5273, 0.2732, 0.2204

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.1847, 0.2971, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5273, 0.2732, 0.2204 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(152, 118, 194)` looks like.

```
.text, #text, p{  
    color:rgb(152, 118, 194)  
}
```

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(152, 118, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 118, 194) }
```

Border

The CSS property to change the border of an element to Yxy 23.5273, 0.2732, 0.2204 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(152, 118, 194) }
```

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

```
.border{ border-color:rgb(152, 118, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 118, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 118, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 118, 194);  
box-shadow:4px 4px 4px 4px rgb(152, 118,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5273, 0.2732, 0.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 118, 194) }
```

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

```
.background{ background-color: rgb(152,  
118, 194) }
```

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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