

Converting Colors

$Y_{xy}(22.9738, 0.2630, 0.2090)$

Have a look what the booklet for
Yxy(22.9738, 0.2630, 0.2090)
contains.

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Color

Yxy(23.0037, 0.2632, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	9474C9
RGB	148, 116, 201
RGB Percent	58%, 45%, 79%
CMY	0.4197, 0.5450, 0.2118
CMYK	0.26, 0.42, 0.00, 0.21
HSL	263°, 44%, 62%
HSV	263°, 42%, 79%
XYZ	28.9970, 23.0037, 58.1703
YIQ	135.2580, -8.2130, 33.2190

Conversions

Conversions Part 2

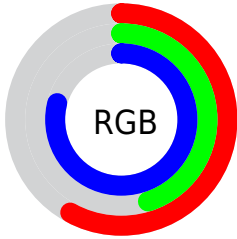
Format	Color
RYB	148, 116, 201
Decimal	9729225
CIELab	55.08, 30.23, -39.74
CIELCh	55, 49.932, 307.263
Yxy	23.0037, 0.2632, 0.2088
Android (android.graphics.Color)	4287919305 (0xFF9474C9)
YUV	135.2580, 32.4108, 11.1747
Hunter-Lab	47.9622, 23.9838, -38.3356

Details

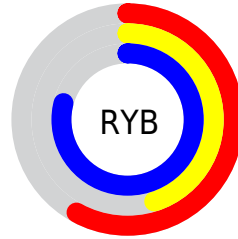
The Yxy color **23.0037, 0.2632, 0.2088** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **51.4744, 0.3477, 0.4429**, and the grayscale version is **24.2089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0626, 0.2766, 0.2334**, and **8.5225, 0.2449, 0.1752** is the 20% darker color. If you saturate the color by 10%, you get **17.7540, 0.2480, 0.1777**, and if you desaturate by 10%, it is **29.3844, 0.2773, 0.2399**.

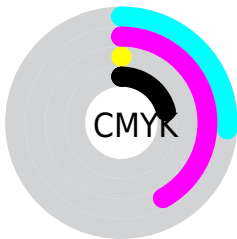
Distribution



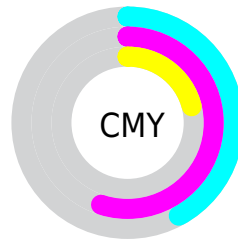
- Red (58%)
- Green (45%)
- Blue (79%)



- Red (58%)
- Yellow (45%)
- Blue (79%)



- Cyan (26%)
- Magenta (42%)
- Yellow (0%)
- Black (21%)



- Cyan (42%)
- Magenta (55%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0037, 0.2632, 0.2088 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 23.0037, 0.2632, 0.2088 by changing the saturation by 10% instead.


 23.0037, 0.2632,
0.2088


 23.0037, 0.2632,
0.2088


267.7440, 0.2914,
0.2698


 14.5962, 0.2551,
0.1937


 48.3994, 0.2742,
0.2310

 8.5365, 0.2442,
0.1746


 66.1564, 0.2782,
0.2393

 4.4401, 0.2287,
0.1500


 87.7988, 0.2814,
0.2464

 1.9227, 0.2058,
0.1176

113.7108, 0.2841,
0.2524

 0.5620, 0.1707,
0.0711

144.2770, 0.2863,
0.2576

 0.0000, 0.0735,
0.0000

179.8816, 0.2883,

 0.0000, 0.0000,

0.2622

0.0000

220.9092, 0.2899,
0.2662

■ 23.0037, 0.2632,
0.2088

■ 23.0037, 0.2632,
0.2088

■ 17.7540, 0.2480,
0.1777

■ 29.3844, 0.2773,
0.2399

■ 13.5634, 0.2322,
0.1481

■ 36.9566, 0.2899,
0.2698

■ 10.3553, 0.2165,
0.1217

■ 45.7799, 0.3011,
0.2978

■ 8.0417, 0.2018,
0.1003

■ 55.9087, 0.3107,
0.3235

■ 6.5173, 0.1888,
0.0849

■ 67.3944, 0.3190,
0.3467

■ 5.7368, 0.1802,
0.0766

■ 80.2855, 0.3259,
0.3674

■ 93.5293, 0.3320,
0.3843

■ 95.7491, 0.3403,
0.3828

■ 96.9971, 0.3448,
0.3820

Harmonies

Analogous

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



23.0037, 0.2011, 0.1990



23.0037, 0.2632, 0.2088



23.0037, 0.3499, 0.2418

Triad

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



23.0037, 0.2632, 0.2088



23.0037, 0.4744, 0.4155



23.0037, 0.1982, 0.3539

Complementary

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



23.0037, 0.2632, 0.2088



51.4744, 0.3477, 0.4429

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.



23.0037, 0.2610, 0.4476



23.0037, 0.2632, 0.2088



23.0037, 0.4206, 0.4710

Square

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



23.0037, 0.2632, 0.2088



23.0037, 0.4832, 0.3526



23.0037, 0.3425, 0.4922



23.0037, 0.1677, 0.2676

Rectangle

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



23.0037, 0.2632, 0.2088



23.0037, 0.4096, 0.2741



23.0037, 0.3425, 0.4922



23.0037, 0.2158, 0.3870

Sweetspot

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



23.0046, 0.2632, 0.2088



76.9290, 0.3001, 0.2954



36.6201, 0.2481, 0.2831



15.7110, 0.2978, 0.2893



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.



23.0046, 0.2632, 0.2088



30.8569, 0.2489, 0.1794



27.6157, 0.3056, 0.2224



10.4785, 0.3040, 0.3055



3.6555, 0.1816, 0.0774



0.2144, 0.2059, 0.0908

Inverse Universe

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



27.7777, 0.3530, 0.2615



40.3753, 0.3659, 0.2474



47.5735, 0.3146, 0.4557



10.7464, 0.3194, 0.3147



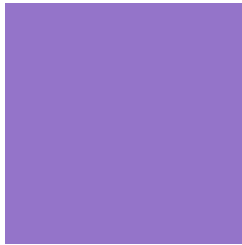
8.7635, 0.4429, 0.2214



0.4287, 0.4110, 0.2038

Previews

White Background



This preview shows how the Yxy color 23.0037, 0.2632, 0.2088 looks on a white background.

Color Contrast Check

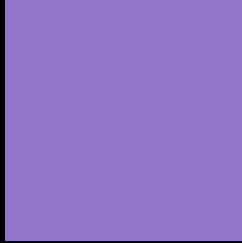
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0037, 0.2632, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

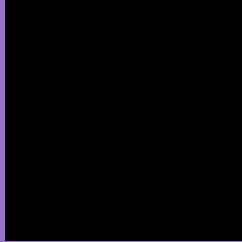
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0037, 0.2632, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 23.0037, 0.2632, 0.2088.



This preview shows how white text looks on a background with the Yxy color 23.0037, 0.2632, 0.2088.

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

23.0037, 0.2632, 0.2088

Protanopia

23.2139, 0.2195, 0.2029

Deuteranopia

23.1346, 0.2297, 0.2234



Tritanopia

22.9123, 0.3101, 0.3103

Trichromacy



Original Color

23.0037, 0.2632, 0.2088

Protanomaly

22.8007, 0.2322, 0.2032

Deuteranomaly

22.9672, 0.2406, 0.2178

Tritanomaly

22.6867, 0.2919, 0.2680

Monochromacy



Original Color

23.0037, 0.2632, 0.2088

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.5170, 0.2939, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0037, 0.2632, 0.2088 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(148, 116, 201)` looks like.

```
.text, #text, p{  
    color:rgb(148, 116, 201)  
}
```

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(148, 116, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 116, 201) }
```

Border

The CSS property to change the border of an element to Yxy 23.0037, 0.2632, 0.2088 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(148, 116, 201) }
```

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

```
.border{ border-color:rgb(148, 116, 201) }
```

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

Here you see how a box with a 4 pixel rgb(148, 116, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 116, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 116, 201);  
box-shadow:4px 4px 4px 4px rgb(148, 116,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0037, 0.2632, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 116, 201) }
```

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

```
.background{ background-color: rgb(148,  
116, 201) }
```

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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