

Converting Colors

$Y_{xy}(23.9297, 0.2794, 0.2037)$

Have a look what the booklet for
Yxy(23.9297, 0.2794, 0.2037)
contains.

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Color

Yxy(23.8845, 0.2792, 0.2037)

Conversions

Conversions Part 1

Format	Color
Hex	A86ECD
RGB	168, 110, 205
RGB Percent	66%, 43%, 80%
CMY	0.3413, 0.5685, 0.1961
CMYK	0.18, 0.46, 0.00, 0.20
HSL	277°, 49%, 62%
HSV	277°, 46%, 80%
XYZ	32.7371, 23.8845, 60.6317
YIQ	138.1720, 4.0730, 41.8410

Conversions

Conversions Part 2

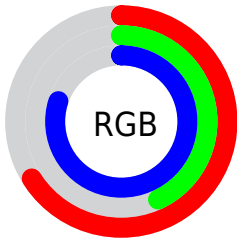
Format	Color
R_{YB}	168, 110, 205
Decimal	11038413
CIE _{Lab}	55.97, 40.26, -40.45
CIE _{LCh}	56, 57.074, 314.865
Yxy	23.8845, 0.2792, 0.2037
Android (android.graphics.Color)	4289228493 (0xFFA86ECD)
YUV	138.1720, 32.9462, 26.1592
Hunter-Lab	48.8718, 34.0440, -39.3466

Details

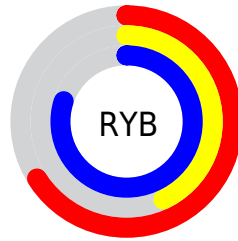
The Yxy color **23.8845, 0.2792, 0.2037** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **50.9877, 0.3325, 0.4621**, and the grayscale version is **25.3563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4219, 0.2927, 0.2326**, and **9.0111, 0.2657, 0.1703** is the 20% darker color. If you saturate the color by 10%, you get **19.1110, 0.2693, 0.1767**, and if you desaturate by 10%, it is **29.7369, 0.2882, 0.2319**.

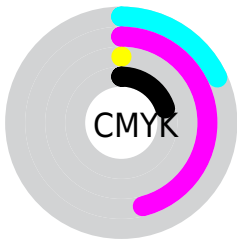
Distribution



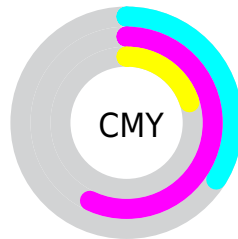
- Red (66%)
- Green (43%)
- Blue (80%)



- Red (66%)
- Yellow (43%)
- Blue (80%)



- Cyan (18%)
- Magenta (46%)
- Yellow (0%)
- Black (20%)





- Cyan (34%)
- Magenta (57%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8845, 0.2792, 0.2037 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 23.8845, 0.2792, 0.2037 by changing the saturation by 10% instead.


 23.8845, 0.2792,
0.2037


 23.8845, 0.2792,
0.2037


272.2360, 0.2992,
0.2661


 15.2480, 0.2732,
0.1886


 49.8417, 0.2872,
0.2261


 8.9936, 0.2650,
0.1698


 67.9311, 0.2900,
0.2346

 4.7370, 0.2531,
0.1457


 89.9402, 0.2923,
0.2418

 2.0938, 0.2350,
0.1146

 116.2535, 0.2942,
0.2480

 0.6611, 0.2061,
0.0729

147.2554, 0.2957,
0.2534

 0.0000, 0.1526,
0.0000

183.3301, 0.2971,

 0.0000, 0.0000,

0.2582

0.0000

224.8622, 0.2982,
0.2623

■ 23.8845, 0.2792,
0.2037

■ 23.8845, 0.2792,
0.2037

■ 19.1110, 0.2693,
0.1767

■ 29.7369, 0.2882,
0.2319

■ 15.3410, 0.2590,
0.1522

■ 36.7309, 0.2963,
0.2601

■ 12.4937, 0.2484,
0.1315

■ 44.9278, 0.3034,
0.2875

■ 10.4740, 0.2380,
0.1155

■ 54.3834, 0.3094,
0.3135

■ 9.1613, 0.2283,
0.1045

■ 65.1503, 0.3145,
0.3376

■ 8.7733, 0.2248,
0.1012

■ 77.2778, 0.3187,
0.3598

■ 90.8126, 0.3222,
0.3799

■ 93.0643, 0.3272,
0.3805

■ 94.4311, 0.3324,
0.3797

Harmonies

Analogous

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



23.8845, 0.2031, 0.1861



23.8845, 0.2792, 0.2037



23.8845, 0.3802, 0.2450

Triad

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



23.8845, 0.2792, 0.2037



23.8845, 0.4796, 0.4383



23.8845, 0.1732, 0.3279

Complementary

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



23.8845, 0.2792, 0.2037



50.9877, 0.3325, 0.4621

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.



23.8845, 0.2329, 0.4404



23.8845, 0.2792, 0.2037



23.8845, 0.4093, 0.4978

Square

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



23.8845, 0.2792, 0.2037



23.8845, 0.5069, 0.3692



23.8845, 0.3196, 0.5103



23.8845, 0.1504, 0.2407

Rectangle

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



23.8845, 0.2792, 0.2037



23.8845, 0.4447, 0.2824



23.8845, 0.3196, 0.5103



23.8845, 0.1890, 0.3651

Sweetspot

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



23.8855, 0.2792, 0.2037



76.7554, 0.3047, 0.2933



28.9057, 0.2361, 0.2433



15.7430, 0.3033, 0.2874



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.



23.8855, 0.2792, 0.2037



31.0411, 0.2690, 0.1757



28.0960, 0.3280, 0.2267



11.1770, 0.3077, 0.3057



5.5190, 0.2261, 0.1019



0.3278, 0.2446, 0.1121

Inverse Universe

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



26.2415, 0.3871, 0.2820



35.7145, 0.4136, 0.2730



48.3158, 0.3005, 0.4592



11.2849, 0.3230, 0.3200



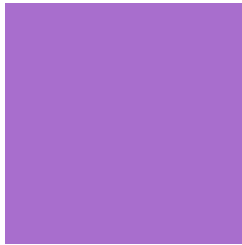
8.4571, 0.5400, 0.2748



0.4511, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 23.8845, 0.2792, 0.2037 looks on a white background.

Color Contrast Check

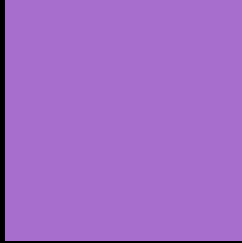
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8845, 0.2792, 0.2037 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

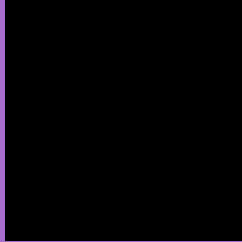
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8845, 0.2792, 0.2037

Background



This preview shows how black text looks on a background with the Yxy color 23.8845, 0.2792, 0.2037.



This preview shows how white text looks on a background with the Yxy color 23.8845, 0.2792, 0.2037.

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

23.8845, 0.2792, 0.2037

Protanopia

24.1012, 0.2124, 0.1939

Deuteranopia

24.2236, 0.2315, 0.2264



Tritanopia

23.8674, 0.3386, 0.3132

Trichromacy



Original Color

23.8845, 0.2792, 0.2037



Protanomaly

23.3132, 0.2310, 0.1949



Deuteranomaly

23.5207, 0.2458, 0.2150



Tritanomaly

23.5832, 0.3156, 0.2673

Monochromacy



Original Color

23.8845, 0.2792, 0.2037



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

24.4365, 0.3007, 0.2759

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8845, 0.2792, 0.2037 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(168, 110, 205)` looks like.

```
.text, #text, p{  
    color:rgb(168, 110, 205)  
}
```

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(168, 110, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 110, 205) }
```

Border

The CSS property to change the border of an element to Yxy 23.8845, 0.2792, 0.2037 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(168, 110, 205) }
```

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

```
.border{ border-color:rgb(168, 110, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 110, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 110, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 110, 205);  
box-shadow:4px 4px 4px 4px rgb(168, 110,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8845, 0.2792, 0.2037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 110, 205) }
```

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

```
.background{ background-color: rgb(168,  
110, 205) }
```

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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