

Converting Colors

$Y_{xy}(23.4020, 0.2719, 0.1954)$

Have a look what the booklet for
Yxy(23.4020, 0.2719, 0.1954)
contains.

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Color

Yxy(23.3776, 0.2717, 0.1954)

Conversions

Conversions Part 1

Format	Color
Hex	A56CD2
RGB	165, 108, 210
RGB Percent	65%, 42%, 82%
CMY	0.3530, 0.5764, 0.1766
CMYK	0.21, 0.49, 0.00, 0.18
HSL	274°, 53%, 62%
HSV	274°, 49%, 82%
XYZ	32.5061, 23.3776, 63.7560
YIQ	136.6710, 1.2300, 43.8060

Conversions

Conversions Part 2

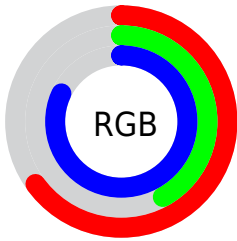
Format	Color
R_{YB}	165, 108, 210
Decimal	10841298
CIE _{Lab}	55.46, 41.65, -44.12
CIE _{LCh}	55, 60.668, 313.351
Yxy	23.3776, 0.2717, 0.1954
Android (android.graphics.Color)	4289031378 (0xFFA56CD2)
YUV	136.6710, 36.1512, 24.8445
Hunter-Lab	48.3504, 35.3929, -44.3360

Details

The Yxy color **23.3776, 0.2717, 0.1954** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **53.9391, 0.3370, 0.4675**, and the grayscale version is **24.7477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2393, 0.2903, 0.2299**, and **8.7077, 0.2542, 0.1597** is the 20% darker color. If you saturate the color by 10%, you get **18.5112, 0.2603, 0.1679**, and if you desaturate by 10%, it is **29.3844, 0.2823, 0.2242**.

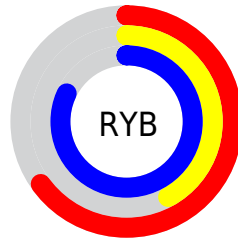
Distribution



Red (65%)

Green (42%)

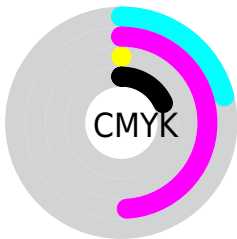
Blue (82%)



Red (65%)

Yellow (42%)

Blue (82%)

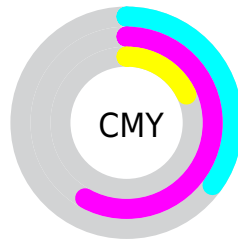


Cyan (21%)

Magenta (49%)

Yellow (0%)

Black (18%)



Cyan (35%)


Magenta (58%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3776, 0.2717, 0.1954 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 23.3776, 0.2717, 0.1954 by changing the saturation by 10% instead.


 23.3776, 0.2717,
0.1954


 23.3776, 0.2717,
0.1954

269.6585, 0.2959,
0.2615


 14.8726, 0.2646,
0.1796


 49.0126, 0.2813,
0.2190


 8.7300, 0.2549,
0.1601


 66.9114, 0.2847,
0.2280

 4.5655, 0.2412,
0.1354


 88.7102, 0.2874,
0.2356

 1.9947, 0.2208,
0.1040

 114.7934, 0.2897,
0.2423

 0.6044, 0.1891,
0.0623

145.5455, 0.2916,
0.2480

 0.0000, 0.1319,
0.0000

181.3507, 0.2932,

 0.0000, 0.0000,

0.2530

0.0000

222.5936, 0.2946,
0.2575

■ 23.3776, 0.2717,
0.1954

■ 23.3776, 0.2717,
0.1954

■ 18.5112, 0.2603,
0.1679

■ 29.3844, 0.2823,
0.2242

■ 14.7030, 0.2485,
0.1432

■ 36.6003, 0.2918,
0.2531

■ 11.8640, 0.2367,
0.1225


■ 45.0919, 0.3002,
0.2812

■ 9.8884, 0.2254,
0.1069

■ 54.9199, 0.3074,
0.3078

■ 8.6142, 0.2149,
0.0963


■ 66.1410, 0.3135,
0.3324

 8.4546, 0.2134,
0.0949

 78.8087, 0.3187,
0.3550

 92.9703, 0.3230,
0.3754

 94.5433, 0.3289,
0.3746

 96.1991, 0.3350,
0.3737

Harmonies

Analogous

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



23.3776, 0.1936, 0.1783



23.3776, 0.2717, 0.1954



23.3776, 0.3788, 0.2373

Triad

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



23.3776, 0.2717, 0.1954



23.3776, 0.4913, 0.4384



23.3776, 0.1670, 0.3327

Complementary

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



23.3776, 0.2717, 0.1954



53.9391, 0.3370, 0.4675

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.



23.3776, 0.2310, 0.4551



23.3776, 0.2717, 0.1954



23.3776, 0.4174, 0.5049

Square

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



23.3776, 0.2717, 0.1954



23.3776, 0.5191, 0.3655



23.3776, 0.3231, 0.5256



23.3776, 0.1421, 0.2378

Rectangle

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



23.3776, 0.2717, 0.1954



23.3776, 0.4491, 0.2758



23.3776, 0.3231, 0.5256



23.3776, 0.1840, 0.3734

Sweetspot

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



23.3785, 0.2717, 0.1954



74.9144, 0.3027, 0.2904



30.9201, 0.2336, 0.2461



15.3647, 0.3011, 0.2846



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.



23.3785, 0.2717, 0.1954



28.6676, 0.2602, 0.1677



28.8298, 0.3235, 0.2172



11.7387, 0.3068, 0.3056



5.2190, 0.2149, 0.0957



0.3384, 0.2337, 0.1061

Inverse Universe

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



26.7285, 0.3856, 0.2735



34.7894, 0.4094, 0.2638



50.4660, 0.3028, 0.4744



11.8937, 0.3222, 0.3188



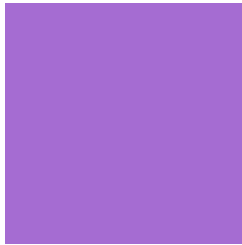
8.8560, 0.5191, 0.2633



0.5110, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 23.3776, 0.2717, 0.1954 looks on a white background.

Color Contrast Check

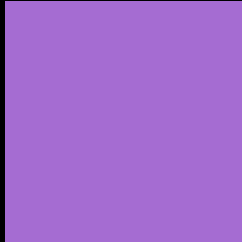
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3776, 0.2717, 0.1954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

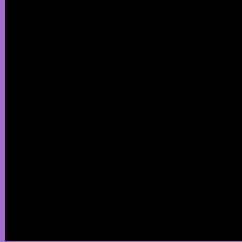
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3776, 0.2717, 0.1954

Background



This preview shows how black text looks on a background with the Yxy color 23.3776, 0.2717, 0.1954.



This preview shows how white text looks on a background with the Yxy color 23.3776, 0.2717, 0.1954.

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

23.3776, 0.2717, 0.1954

Protanopia

23.8023, 0.2057, 0.1856

Deuteranopia

23.7242, 0.2230, 0.2174



Tritanopia

23.4433, 0.3350, 0.3145

Trichromacy



Original Color

23.3776, 0.2717, 0.1954

Protanomaly

23.0287, 0.2237, 0.1865

Deuteranomaly

23.0579, 0.2373, 0.2065

Tritanomaly

22.9704, 0.3099, 0.2635

Monochromacy



Original Color

23.3776, 0.2717, 0.1954

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

23.8051, 0.2965, 0.2695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3776, 0.2717, 0.1954 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(165, 108, 210)` looks like.

```
.text, #text, p{  
    color:rgb(165, 108, 210)  
}
```

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(165, 108, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 108, 210) }
```

Border

The CSS property to change the border of an element to Yxy 23.3776, 0.2717, 0.1954 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(165, 108, 210) }
```

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

```
.border{ border-color:rgb(165, 108, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 108, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 108, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 108, 210);  
box-shadow:4px 4px 4px 4px rgb(165, 108,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3776, 0.2717, 0.1954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 108, 210) }
```

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

```
.background{ background-color: rgb(165,  
108, 210) }
```

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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