

Converting Colors

$Y_{xy}(14.1804, 0.2722, 0.1790)$

Have a look what the booklet for
Yxy(14.1804, 0.2722, 0.1790)
contains.

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Color

Yxy(14.0976, 0.2712, 0.1778)

Conversions

Conversions Part 1

Format	Color
Hex	8C4DB2
RGB	140, 77, 178
RGB Percent	55%, 30%, 70%
CMY	0.4509, 0.6980, 0.3021
CMYK	0.21, 0.57, 0.00, 0.30
HSL	277°, 40%, 50%
HSV	277°, 57%, 70%
XYZ	21.5032, 14.0976, 43.6883
YIQ	107.3510, 5.1270, 44.7670

Conversions

Conversions Part 2

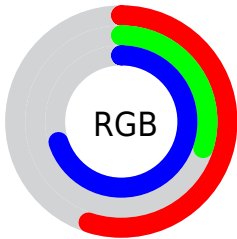
Format	Color
RYB	140, 77, 178
Decimal	9194930
CIELab	44.37, 44.44, -43.42
CIELCh	44, 62.133, 315.663
Yxy	14.0976, 0.2712, 0.1778
Android (android.graphics.Color)	4287385010 (0xFF8C4DB2)
YUV	107.3510, 34.8300, 28.6332
Hunter-Lab	37.5468, 36.5209, -42.7053

Details

The Yxy color **14.0976, 0.2712, 0.1778** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **36.0048, 0.3331, 0.4931**, and the grayscale version is **14.7068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3768, 0.2829, 0.2077**, and **4.1979, 0.2479, 0.1316** is the 20% darker color. If you saturate the color by 10%, you get **11.3753, 0.2613, 0.1538**, and if you desaturate by 10%, it is **17.5376, 0.2806, 0.2043**.

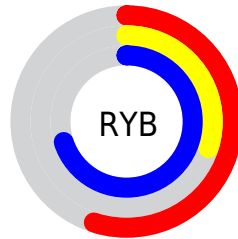
Distribution



Red (55%)

Green (30%)

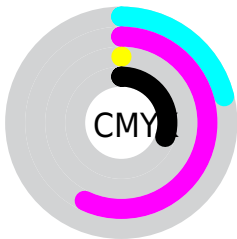
Blue (70%)



Red (55%)

Yellow (30%)

Blue (70%)

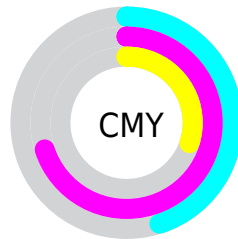


Cyan (21%)

Magenta (57%)

Yellow (0%)

Black (30%)



Cyan (45%)


Magenta (70%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0976, 0.2712, 0.1778 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 14.0976, 0.2712, 0.1778 by changing the saturation by 10% instead.


 14.0976, 0.2712,
0.1778


 14.0976, 0.2712,
0.1778


217.8372, 0.2979,
0.2569

 8.1886, 0.2622,
0.1578


 33.2621, 0.2825,
0.2070


 4.2159, 0.2493,
0.1326


 47.2864, 0.2863,
0.2178

 1.7950, 0.2296,
0.1005

 64.7845, 0.2893,
0.2270

 0.4841, 0.1990,
0.0548

 86.1409, 0.2917,
0.2348

 0.0000, 0.1358,
0.0000

 111.7400, 0.2937,
0.2415

 0.0000, 0.0000,
0.0000

141.9661, 0.2953,

0.2473

177.2037, 0.2967,
0.2524

■ 14.0976, 0.2712,
0.1778

■ 14.0976, 0.2712,
0.1778

■ 11.3753, 0.2613,
0.1538

■ 17.5376, 0.2806,
0.2043

■ 9.3113, 0.2512,
0.1334

■ 21.7448, 0.2892,
0.2320

■ 7.8393, 0.2412,
0.1175

■ 26.7661, 0.2969,
0.2599

■ 6.8666, 0.2318,
0.1066

■ 32.6442, 0.3036,
0.2869

■ 6.5964, 0.2288,
0.1034

■ 39.4188, 0.3094,
0.3127

■ 47.1270, 0.3142,
0.3366

■ 55.8036, 0.3182,
0.3587

■ 65.4819, 0.3216,
0.3788

■ 76.1935, 0.3243,
0.3969

Harmonies

Analogous

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



14.0976, 0.1792, 0.1563



14.0976, 0.2712, 0.1778



14.0976, 0.4014, 0.2262

Triad

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



14.0976, 0.2712, 0.1778



14.0976, 0.5108, 0.4523



14.0976, 0.1383, 0.3186

Complementary

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



14.0976, 0.2712, 0.1778



36.0048, 0.3331, 0.4931

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.



14.0976, 0.2050, 0.4749



14.0976, 0.2712, 0.1778



14.0976, 0.4180, 0.5371

Square

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



14.0976, 0.2712, 0.1778



14.0976, 0.5562, 0.3683



14.0976, 0.3084, 0.5690



14.0976, 0.1166, 0.2122

Rectangle

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



14.0976, 0.2712, 0.1778



14.0976, 0.4857, 0.2696



14.0976, 0.3084, 0.5690



14.0976, 0.1552, 0.3685

Sweetspot

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



14.0982, 0.2712, 0.1778



58.5784, 0.3033, 0.2854



17.2146, 0.2190, 0.2178



12.4868, 0.3020, 0.2802



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.0982, 0.2712, 0.1778



19.6142, 0.2588, 0.1484



17.5296, 0.3341, 0.2099



8.4839, 0.3080, 0.3061



4.7586, 0.2298, 0.1039



0.1818, 0.2557, 0.1182

Inverse Universe

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



16.0065, 0.4145, 0.2753



23.8054, 0.4512, 0.2683



34.1224, 0.2976, 0.4890



8.5564, 0.3230, 0.3205



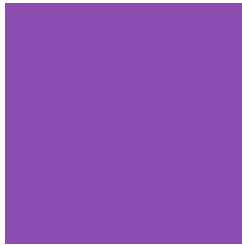
7.0729, 0.5439, 0.2770



0.2341, 0.4678, 0.2351

Previews

White Background



This preview shows how the Yxy color 14.0976, 0.2712, 0.1778 looks on a white 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

Black Background



This preview shows how the Yxy color 14.0976, 0.2712, 0.1778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

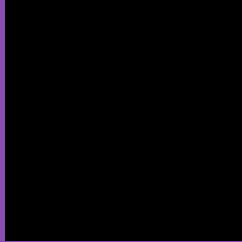
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.0976, 0.2712, 0.1778

Background



This preview shows how black text looks on a background with the Yxy color 14.0976, 0.2712, 0.1778.



This preview shows how white text looks on a background with the Yxy color 14.0976, 0.2712, 0.1778.

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

14.0976, 0.2712, 0.1778

Protanopia

14.4189, 0.1866, 0.1611

Deuteranopia

14.3434, 0.2092, 0.2048



Tritanopia

14.1381, 0.3498, 0.3155

Trichromacy



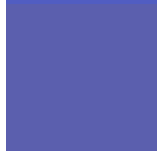
Original Color

14.0976, 0.2712, 0.1778



Protanomaly

13.4731, 0.2047, 0.1618



Deuteranomaly

13.4646, 0.2250, 0.1888



Tritanomaly

13.8566, 0.3177, 0.2549

Monochromacy



Original Color

14.0976, 0.2712, 0.1778



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

13.9811, 0.2965, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0976, 0.2712, 0.1778 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(140, 77, 178)` looks like.

```
.text, #text, p{  
    color:rgb(140, 77, 178)  
}
```

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(140, 77, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 77, 178) }
```

Border

The CSS property to change the border of an element to Yxy 14.0976, 0.2712, 0.1778 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(140, 77, 178) }
```

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

```
.border{ border-color:rgb(140, 77, 178) }
```

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

Here you see how a box with a 4 pixel rgb(140, 77, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 77, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 77, 178);  
box-shadow:4px 4px 4px 4px rgb(140, 77,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 14.0976, 0.2712, 0.1778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 77, 178) }
```

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

```
.background{ background-color: rgb(140, 77,  
178) }
```

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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