

Converting Colors

$Y_{xy}(14.5764, 0.2555, 0.1298)$

Have a look what the booklet for
Yxy(14.5764, 0.2555, 0.1298)
contains.

Yxy(14.5764, 0.2555, 0.1298)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.5764, 0.2555, 0.1298)

Conversions

Conversions Part 1

Format	Color
Hex	A22BDC
RGB	162, 43, 220
RGB Percent	64%, 17%, 86%
CMY	0.3645, 0.8317, 0.1371
CMYK	0.26, 0.80, 0.00, 0.14
HSL	280°, 72%, 52%
HSV	280°, 80%, 86%
XYZ	28.6924, 14.5764, 69.0301
YIQ	98.7590, 14.1070, 80.2750

Conversions

Conversions Part 2

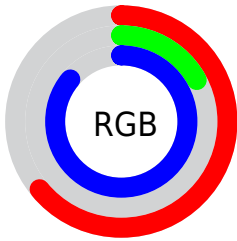
Format	Color
R_{YB}	162, 43, 220
Decimal	10628060
CIE _{Lab}	45.05, 72.27, -66.56
CIE _{LCh}	45, 98.251, 317.358
Yxy	14.5764, 0.2555, 0.1298
Android (android.graphics.Color)	4288818140 (0xFFA22BDC)
YUV	98.7590, 59.7718, 55.4624
Hunter-Lab	38.1791, 67.3332, -80.4747

Details

The Yxy color **14.5764, 0.2555, 0.1298** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **54.1351, 0.3250, 0.5604**, and the grayscale version is **12.2500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4928, 0.2880, 0.1772**, and **5.6234, 0.2316, 0.1049** is the 20% darker color. If you saturate the color by 10%, you get **12.6553, 0.2468, 0.1171**, and if you desaturate by 10%, it is **17.4029, 0.2645, 0.1474**.

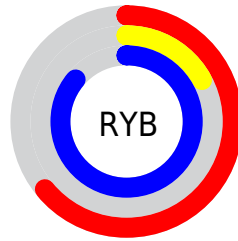
Distribution



Red (64%)

Green (17%)

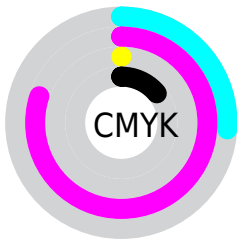
Blue (86%)



Red (64%)

Yellow (17%)

Blue (86%)

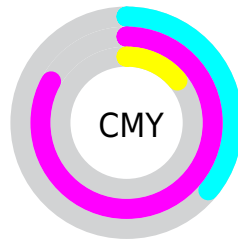


Cyan (26%)

Magenta (80%)

Yellow (0%)

Black (14%)



Cyan (36%)


Magenta (83%)

Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.5764, 0.2555, 0.1298 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 14.5764, 0.2555, 0.1298 by changing the saturation by 10% instead.


 14.5764, 0.2555,
0.1298


 14.5764, 0.2555,
0.1298


 220.7878, 0.2923,
0.2243


 8.5226, 0.2442,
0.1096


 34.1083, 0.2706,
0.1620


 4.4312, 0.2287,
0.0861


 48.3553, 0.2758,
0.1748

 1.9175, 0.2071,
0.0597


 66.1021, 0.2800,
0.1859

 0.5589, 0.1765,
0.0300

 87.7331, 0.2834,
0.1955

 0.0000, 0.1331,
0.0000

 113.6328, 0.2862,
0.2041

 0.0000, 0.0421,
0.0000

 144.1856, 0.2886,

 0.0000, 0.0000,

0.2116

0.0000

179.7758, 0.2906,
0.2183

■ 14.5764, 0.2555,
0.1298

■ 14.5764, 0.2555,
0.1298

■ 12.6553, 0.2468,
0.1171

■ 17.4029, 0.2645,
0.1474

■ 11.4648, 0.2389,
0.1090

■ 21.2555, 0.2733,
0.1692

■ 26.2377, 0.2818,
0.1942

■ 32.4397, 0.2896,
0.2212

■ 39.9421, 0.2967,
0.2489

■ 48.8189, 0.3028,
0.2764

■ 59.1380, 0.3081,
0.3029

■ 70.9631, 0.3125,
0.3278

■ 84.3538, 0.3162,
0.3510

Harmonies

Analogous

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



14.5764, 0.1350, 0.1034



14.5764, 0.2555, 0.1298



14.5764, 0.4541, 0.1881

Triad

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



14.5764, 0.2555, 0.1298



14.5764, 0.5461, 0.4539



14.5764, 0.0718, 0.2834

Complementary

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



14.5764, 0.2555, 0.1298



54.1351, 0.3250, 0.5604

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.



14.5764, 0.1362, 0.5578



14.5764, 0.2555, 0.1298



14.5764, 0.4001, 0.5999

Square

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



14.5764, 0.2555, 0.1298



14.5764, 0.6457, 0.3454



14.5764, 0.2562, 0.7062



14.5764, 0.0599, 0.1510

Rectangle

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



14.5764, 0.2555, 0.1298



14.5764, 0.5838, 0.2387



14.5764, 0.2562, 0.7062



14.5764, 0.0858, 0.3616

Sweetspot

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



14.5769, 0.2555, 0.1298



63.3710, 0.3006, 0.2663



15.1739, 0.1803, 0.1466



12.6184, 0.2984, 0.2564



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.



14.5769, 0.2555, 0.1298



16.3882, 0.2407, 0.1108



20.6815, 0.3569, 0.1858



13.0502, 0.3086, 0.3056



6.7895, 0.2401, 0.1096



0.4858, 0.2535, 0.1170

Inverse Universe

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



17.8790, 0.5065, 0.2767



22.1410, 0.5626, 0.2890



52.1861, 0.2931, 0.5506



13.1215, 0.3241, 0.3214



9.2229, 0.5652, 0.2887



0.6131, 0.5189, 0.2632

Previews

White Background



This preview shows how the Yxy color 14.5764, 0.2555, 0.1298 looks on a white background.

Color Contrast Check

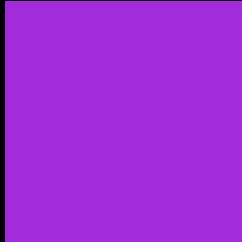
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5764, 0.2555, 0.1298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

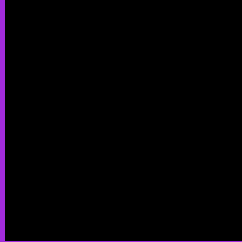
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.5764, 0.2555, 0.1298

Background



This preview shows how black text looks on a background with the Yxy color 14.5764, 0.2555, 0.1298.



This preview shows how white text looks on a background with the Yxy color 14.5764, 0.2555, 0.1298.

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

14.5764, 0.2555, 0.1298

Protanopia

14.7625, 0.1741, 0.1469

Deuteranopia

14.6989, 0.1838, 0.1817



Tritanopia

14.5884, 0.3807, 0.3166

Trichromacy



Original Color

14.5764, 0.2555, 0.1298



Protanomaly

11.9291, 0.1792, 0.1219



Deuteranomaly

11.6911, 0.1855, 0.1380



Tritanomaly

13.5298, 0.3268, 0.2197

Monochromacy



Original Color

14.5764, 0.2555, 0.1298



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

11.7127, 0.2874, 0.2133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.5764, 0.2555, 0.1298 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(162, 43, 220)` looks like.

```
.text, #text, p{  
    color:rgb(162, 43, 220)  
}
```

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(162, 43, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 43, 220) }
```

Border

The CSS property to change the border of an element to Yxy 14.5764, 0.2555, 0.1298 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(162, 43, 220) }
```

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

```
.border{ border-color:rgb(162, 43, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 43, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 43, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 43, 220);  
box-shadow:4px 4px 4px 4px rgb(162, 43,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 14.5764, 0.2555, 0.1298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 43, 220) }
```

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

```
.background{ background-color: rgb(162, 43,  
220) }
```

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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