

Converting Colors

$Y_{xy}(20.7460, 0.3709, 0.2030)$

Have a look what the booklet for
Yxy(20.7460, 0.3709, 0.2030)
contains.

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Color

Yxy(20.7544, 0.3710, 0.2028)

Conversions

Conversions Part 1

Format	Color
Hex	D938B1
RGB	217, 56, 177
RGB Percent	85%, 22%, 69%
CMY	0.1490, 0.7804, 0.3058
CMYK	0.00, 0.74, 0.18, 0.15
HSL	315°, 68%, 54%
HSV	315°, 74%, 85%
XYZ	37.9679, 20.7544, 43.6170
YIQ	117.9330, 57.1150, 71.7630

Conversions

Conversions Part 2

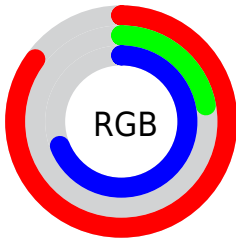
Format	Color
R _Y B	217, 56, 177
Decimal	14235825
CIE Lab	52.68, 72.21, -29.02
CIE LCh	53, 77.819, 338.104
Yxy	20.7544, 0.3710, 0.2028
Android (android.graphics.Color)	4292425905 (0xFFD938B1)
YUV	117.9330, 29.1200, 86.8818
Hunter-Lab	45.5570, 69.0397, -24.8753

Details

The Yxy color **20.7544, 0.3710, 0.2028** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **51.3105, 0.2875, 0.5166**, and the grayscale version is **17.9888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1001, 0.3392, 0.2179**, and **8.7243, 0.3833, 0.1885** is the 20% darker color. If you saturate the color by 10%, you get **18.8779, 0.3811, 0.1965**, and if you desaturate by 10%, it is **23.5523, 0.3609, 0.2135**.

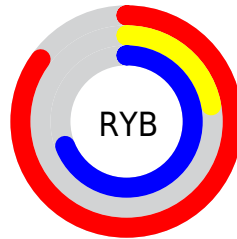
Distribution



Red (85%)

Green (22%)

Blue (69%)



Red (85%)

Yellow (22%)

Blue (69%)

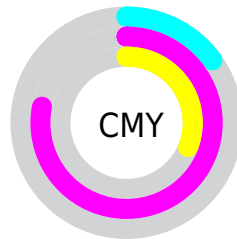


Cyan (0%)

Magenta (74%)

Yellow (18%)

Black (15%)



Cyan (15%)

Magenta (78%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7544, 0.3710, 0.2028 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 20.7544, 0.3710, 0.2028 by changing the saturation by 10% instead.


 20.7544, 0.3710,
0.2028


 20.7544, 0.3710,
0.2028


255.9704, 0.3418,
0.2661


 12.9446, 0.3781,
0.1873


 44.6784, 0.3605,
0.2257


 7.3904, 0.3871,
0.1677


 61.5614, 0.3565,
0.2343

 3.7074, 0.3987,
0.1425


 82.2376, 0.3531,
0.2416

 1.5113, 0.4139,
0.1095

 107.0914, 0.3502,
0.2479

 0.2967, 0.4419,
0.0484

 136.5072, 0.3477,
0.2534

 0.0000, 0.4637,
0.0000

170.8694, 0.3455,

 0.0000, 0.0000,

0.2582

0.0000

210.5623, 0.3435,
0.2624

■ 20.7544, 0.3710,
0.2028

■ 20.7544, 0.3710,
0.2028

■ 18.8779, 0.3811,
0.1965

■ 23.5523, 0.3609,
0.2135

■ 17.7921, 0.3910,
0.1951

■ 27.3733, 0.3512,
0.2280

■ 17.4009, 0.3966,
0.1958

■ 32.3089, 0.3422,
0.2451

■ 38.4398, 0.3339,
0.2638

■ 45.8389, 0.3266,
0.2832

■ 54.5736, 0.3203,
0.3025

■ 64.7062, 0.3148,
0.3214

■ 76.2954, 0.3101,
0.3393

■ 89.3962, 0.3062,
0.3561

Harmonies

Analogous

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



20.7544, 0.2371, 0.1589



20.7544, 0.3710, 0.2028



20.7544, 0.5120, 0.2691

Triad

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



20.7544, 0.3710, 0.2028



20.7544, 0.4478, 0.5277



20.7544, 0.1054, 0.2223

Complementary

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



20.7544, 0.3710, 0.2028



51.3105, 0.2875, 0.5166

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.



20.7544, 0.1372, 0.3565



20.7544, 0.3710, 0.2028



20.7544, 0.3324, 0.5947

Square

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



20.7544, 0.3710, 0.2028



20.7544, 0.5417, 0.4305



20.7544, 0.2186, 0.5321



20.7544, 0.1118, 0.1603

Rectangle

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



20.7544, 0.3710, 0.2028



20.7544, 0.5667, 0.3190



20.7544, 0.2186, 0.5321



20.7544, 0.1111, 0.2580

Sweetspot

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



20.7555, 0.3710, 0.2028



68.4161, 0.3253, 0.2871



10.1945, 0.1941, 0.1069



13.9567, 0.3271, 0.2817



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.



20.7555, 0.3710, 0.2028



26.2007, 0.3867, 0.1951



18.4793, 0.5011, 0.2869



13.2167, 0.3175, 0.3116



10.5512, 0.3952, 0.1951



0.6970, 0.3806, 0.1870

Inverse Universe

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



20.7555, 0.3710, 0.2028



26.2007, 0.3867, 0.1951



53.5252, 0.2502, 0.3929



13.2167, 0.3175, 0.3116



10.5512, 0.3952, 0.1951



0.6970, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 20.7544, 0.3710, 0.2028 looks on a white background.

Color Contrast Check

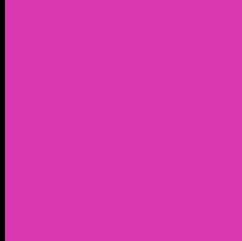
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7544, 0.3710, 0.2028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

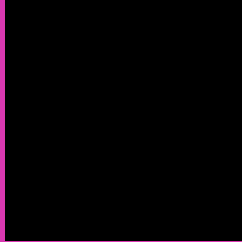
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7544, 0.3710, 0.2028

Background



This preview shows how black text looks on a background with the Yxy color 20.7544, 0.3710, 0.2028.

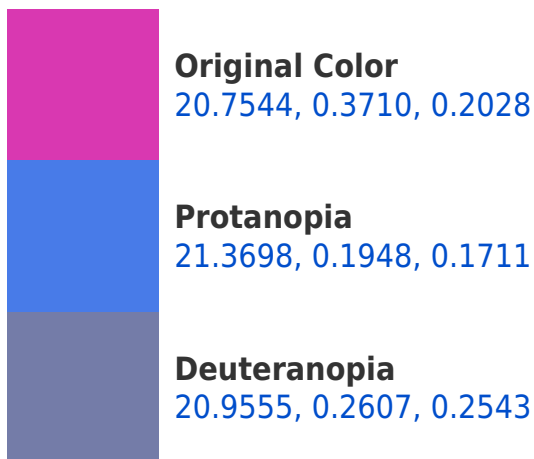


This preview shows how white text looks on a background with the Yxy color 20.7544, 0.3710, 0.2028.

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





Tritanopia

20.6341, 0.4896, 0.3227

Trichromacy



Original Color

20.7544, 0.3710, 0.2028



Protanomaly

18.0371, 0.2312, 0.1681



Deuteranomaly

18.6363, 0.2956, 0.2208



Tritanomaly

20.2997, 0.4475, 0.2743

Monochromacy



Original Color

20.7544, 0.3710, 0.2028



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

16.9185, 0.3370, 0.2582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7544, 0.3710, 0.2028 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(217, 56, 177)` looks like.

```
.text, #text, p{  
    color:rgb(217, 56, 177)  
}
```

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(217, 56, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 56, 177) }
```

Border

The CSS property to change the border of an element to Yxy 20.7544, 0.3710, 0.2028 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(217, 56, 177) }
```

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

```
.border{ border-color:rgb(217, 56, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 56, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 56, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 56, 177);  
box-shadow:4px 4px 4px 4px rgb(217, 56,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7544, 0.3710, 0.2028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 56, 177) }
```

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

```
.background{ background-color: rgb(217, 56,  
177) }
```

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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