

Converting Colors

$Y_{xy}(20.7405, 0.3474, 0.1759)$

Have a look what the booklet for
Yxy(20.7405, 0.3474, 0.1759)
contains.

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Color

Yxy(20.7874, 0.3472, 0.1756)

Conversions

Conversions Part 1

Format	Color
Hex	DE21C8
RGB	222, 33, 200
RGB Percent	87%, 13%, 78%
CMY	0.1293, 0.8709, 0.2157
CMYK	0.00, 0.85, 0.10, 0.13
HSL	307°, 74%, 50%
HSV	307°, 85%, 87%
XYZ	41.1013, 20.7874, 56.4906
YIQ	108.5490, 59.0370, 92.0050

Conversions

Conversions Part 2

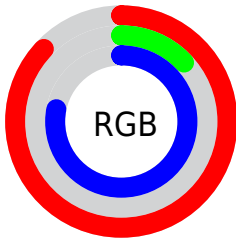
Format	Color
R _{YB}	222, 33, 200
Decimal	14557640
CIE _{Lab}	52.72, 81.91, -42.23
CIE _{LCh}	53, 92.158, 332.726
Yxy	20.7874, 0.3472, 0.1756
Android (android.graphics.Color)	4292747720 (0xFFDE21C8)
YUV	108.5490, 45.0853, 99.4965
Hunter-Lab	45.5932, 81.1258, -41.5459

Details

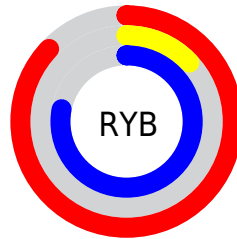
The Yxy color **20.7874, 0.3472, 0.1756** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **52.8585, 0.2962, 0.5704**, and the grayscale version is **15.0052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **9.7257, 0.3489, 0.1696** is the 20% darker color. If you saturate the color by 10%, you get **19.8182, 0.3512, 0.1724**, and if you desaturate by 10%, it is **22.5711, 0.3429, 0.1832**.

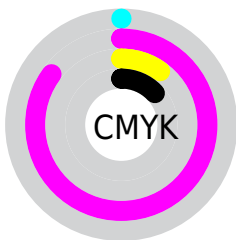
Distribution



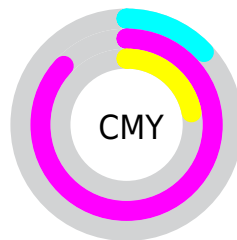
- Red (87%)
- Green (13%)
- Blue (78%)



- Red (87%)
- Yellow (13%)
- Blue (78%)



- Cyan (0%)
- Magenta (85%)
- Yellow (10%)
- Black (13%)




- Cyan (13%)
- Magenta (87%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7874, 0.3472, 0.1756 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 20.7874, 0.3472, 0.1756 by changing the saturation by 10% instead.


 20.7874, 0.3472,
0.1756


 20.7874, 0.3472,
0.1756


256.1465, 0.3328,
0.2494


 12.9687, 0.3497,
0.1586


 44.7334, 0.3428,
0.2014


 7.4070, 0.3522,
0.1380


 61.6296, 0.3408,
0.2115

 3.7179, 0.3543,
0.1125


 82.3203, 0.3391,
0.2201

 1.5170, 0.3549,
0.0814

 107.1900, 0.3376,
0.2275

 0.3007, 0.3553,
0.0327

 136.6230, 0.3362,
0.2340

 0.0000, 0.3367,
0.0000

171.0039, 0.3350,

 0.0000, 0.1723,

0.2398

0.0000

210.7169, 0.3339,
0.2449

■ 0.0000, 0.0000,
0.0000

■ 20.7874, 0.3472,
0.1756

■ 20.7874, 0.3472,
0.1756

■ 19.8182, 0.3512,
0.1724

■ 22.5711, 0.3429,
0.1832

■ 19.5283, 0.3531,
0.1719

■ 25.3045, 0.3384,
0.1953

■ 29.1013, 0.3338,
0.2112

■ 34.0586, 0.3293,
0.2301

■ 40.2624, 0.3250,
0.2512

■ 47.7906, 0.3211,
0.2734

■ 56.7150, 0.3174,
0.2958

■ 67.1017, 0.3142,
0.3179

■ 79.0132, 0.3114,
0.3391

Harmonies

Analogous

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



20.7874, 0.2035, 0.1343



20.7874, 0.3472, 0.1756



20.7874, 0.5204, 0.2431

Triad

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



20.7874, 0.3472, 0.1756



20.7874, 0.4761, 0.5239



20.7874, 0.0849, 0.2220

Complementary

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



20.7874, 0.3472, 0.1756



52.8585, 0.2962, 0.5704

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.



20.7874, 0.1232, 0.3960



20.7874, 0.3472, 0.1756



20.7874, 0.3436, 0.6282

Square

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



20.7874, 0.3472, 0.1756



20.7874, 0.5792, 0.4085



20.7874, 0.2181, 0.6060



20.7874, 0.0872, 0.1456

Rectangle

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



20.7874, 0.3472, 0.1756



20.7874, 0.5961, 0.2942



20.7874, 0.2181, 0.6060



20.7874, 0.0921, 0.2674

Sweetspot

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



20.7884, 0.3472, 0.1756



64.2587, 0.3214, 0.2711



7.0844, 0.1647, 0.0771



12.9533, 0.3228, 0.2633



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.



20.7884, 0.3472, 0.1756



26.7122, 0.3533, 0.1720



17.7130, 0.4977, 0.2639



13.9067, 0.3156, 0.3085



11.6060, 0.3525, 0.1716



0.8124, 0.3470, 0.1685

Inverse Universe

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



20.7884, 0.3472, 0.1756



26.7122, 0.3533, 0.1720



54.6706, 0.2602, 0.4450



13.9067, 0.3156, 0.3085



11.6060, 0.3525, 0.1716



0.8124, 0.3470, 0.1685

Previews

White Background



This preview shows how the Yxy color 20.7874, 0.3472, 0.1756 looks on a white background.

Color Contrast Check

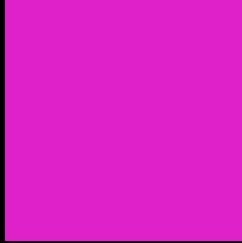
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7874, 0.3472, 0.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

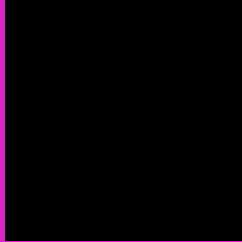
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7874, 0.3472, 0.1756

Background



This preview shows how black text looks on a background with the Yxy color 20.7874, 0.3472, 0.1756.



This preview shows how white text looks on a background with the Yxy color 20.7874, 0.3472, 0.1756.

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

20.7874, 0.3472, 0.1756

Protanopia

21.4151, 0.1770, 0.1484

Deuteranopia

21.2052, 0.2321, 0.2270



Tritanopia

20.7400, 0.4954, 0.3239

Trichromacy



Original Color

20.7874, 0.3472, 0.1756



Protanomaly

16.0198, 0.1986, 0.1331



Deuteranomaly

17.3894, 0.2639, 0.1847



Tritanomaly

19.8126, 0.4429, 0.2590

Monochromacy



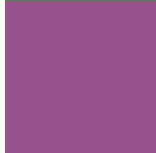
Original Color

20.7874, 0.3472, 0.1756



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.3219, 0.3290, 0.2310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7874, 0.3472, 0.1756 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(222, 33, 200)` looks like.

```
.text, #text, p{  
    color:rgb(222, 33, 200)  
}
```

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(222, 33, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 200) }
```

Border

The CSS property to change the border of an element to Yxy 20.7874, 0.3472, 0.1756 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(222, 33, 200) }
```

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

```
.border{ border-color:rgb(222, 33, 200) }
```

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

Here you see how a box with a 4 pixel rgb(222, 33, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 33, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 33, 200);  
box-shadow:4px 4px 4px 4px rgb(222, 33,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7874, 0.3472, 0.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 200) }
```

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

```
.background{ background-color: rgb(222, 33,  
200) }
```

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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