

Converting Colors

$Y_{xy}(20.4920, 0.3299, 0.1685)$

Have a look what the booklet for
Yxy(20.4920, 0.3299, 0.1685)
contains.

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Color

Yxy(20.4697, 0.3299, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	D728CF
RGB	215, 40, 207
RGB Percent	84%, 16%, 81%
CMY	0.1568, 0.8434, 0.1881
CMYK	0.00, 0.81, 0.04, 0.16
HSL	303°, 69%, 50%
HSV	303°, 81%, 84%
XYZ	40.0531, 20.4697, 60.8870
YIQ	111.3630, 50.6930, 89.0370

Conversions

Conversions Part 2

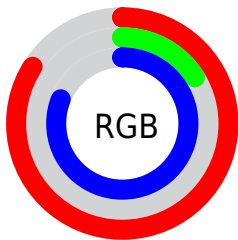
Format	Color
R _Y B	215, 40, 207
Decimal	14100687
CIE Lab	52.36, 80.19, -46.90
CIE LCh	52, 92.897, 329.676
Yxy	20.4697, 0.3299, 0.1686
Android (android.graphics.Color)	4292290767 (0xFFD728CF)
YUV	111.3630, 47.1490, 90.8896
Hunter-Lab	45.2435, 78.8464, -48.1200

Details

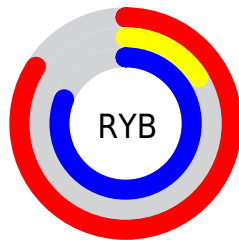
The Yxy color **20.4697, 0.3299, 0.1686** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **49.2763, 0.2992, 0.5734**, and the grayscale version is **15.8491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.4173, 0.3190, 0.1942**, and **9.3349, 0.3273, 0.1577** is the 20% darker color. If you saturate the color by 10%, you get **19.3561, 0.3316, 0.1629**, and if you desaturate by 10%, it is **22.3903, 0.3280, 0.1786**.

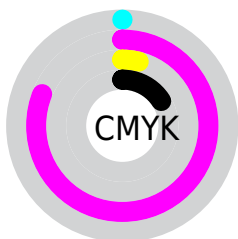
Distribution



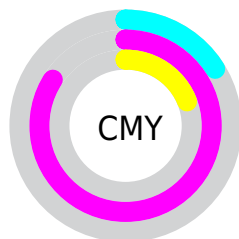
- Red (84%)
- Green (16%)
- Blue (81%)



- Red (84%)
- Yellow (16%)
- Blue (81%)



- Cyan (0%)
- Magenta (81%)
- Yellow (4%)
- Black (16%)




- Cyan (16%)
- Magenta (84%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4697, 0.3299, 0.1686 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 20.4697, 0.3299, 0.1686 by changing the saturation by 10% instead.


 20.4697, 0.3299,
0.1686

 20.4697, 0.3299,
0.1686


254.4466, 0.3252,
0.2452


 12.7369, 0.3297,
0.1513


 44.2033, 0.3292,
0.1952

 7.2476, 0.3287,
0.1303

 60.9729, 0.3286,
0.2056


 3.6175, 0.3259,
0.1047


 81.5235, 0.3280,
0.2146

 1.4620, 0.3196,
0.0741

 106.2397, 0.3274,
0.2223

 0.2617, 0.3095,
0.0263

 135.5056, 0.3268,
0.2291

 0.0000, 0.2756,
0.0000

169.7059, 0.3263,

 0.0000, 0.0803,

0.2351

0.0000

209.2247, 0.3257,
0.2404

■ 0.0000, 0.0000,
0.0000

■ 20.4697, 0.3299,
0.1686

■ 20.4697, 0.3299,
0.1686

■ 19.3561, 0.3316,
0.1629

■ 22.3903, 0.3280,
0.1786

■ 18.8682, 0.3328,
0.1607

■ 25.2321, 0.3259,
0.1929

■ 29.0939, 0.3237,
0.2109

■ 34.0610, 0.3214,
0.2317

■ 40.2101, 0.3191,
0.2545

■ 47.6106, 0.3169,
0.2783

■ 56.3269, 0.3149,
0.3023

■ 66.4189, 0.3130,
0.3257

■ 77.9427, 0.3113,
0.3482

Harmonies

Analogous

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



20.4697, 0.1913, 0.1303



20.4697, 0.3299, 0.1686



20.4697, 0.5069, 0.2344

Triad

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



20.4697, 0.3299, 0.1686



20.4697, 0.4886, 0.5114



20.4697, 0.0848, 0.2331

Complementary

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



20.4697, 0.3299, 0.1686



49.2763, 0.2992, 0.5734

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.



20.4697, 0.1282, 0.4203



20.4697, 0.3299, 0.1686



20.4697, 0.3562, 0.6235

Square

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



20.4697, 0.3299, 0.1686



20.4697, 0.5887, 0.3976



20.4697, 0.2285, 0.6234



20.4697, 0.0839, 0.1486

Rectangle

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



20.4697, 0.3299, 0.1686



20.4697, 0.5915, 0.2853



20.4697, 0.2285, 0.6234



20.4697, 0.0934, 0.2828

Sweetspot

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



20.4707, 0.3299, 0.1686



66.7958, 0.3175, 0.2716



6.9969, 0.1643, 0.0813



13.4532, 0.3183, 0.2630



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.



20.4707, 0.3299, 0.1686



27.8770, 0.3326, 0.1611



17.3609, 0.4639, 0.2495



12.6224, 0.3145, 0.3071



11.2870, 0.3326, 0.1606



0.6839, 0.3304, 0.1594

Inverse Universe

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



20.4707, 0.3299, 0.1686



27.8770, 0.3326, 0.1611



50.7657, 0.2658, 0.4584



12.6224, 0.3145, 0.3071



11.2870, 0.3326, 0.1606



0.6839, 0.3304, 0.1594

Previews

White Background



This preview shows how the Yxy color 20.4697, 0.3299, 0.1686 looks on a white background.

Color Contrast Check

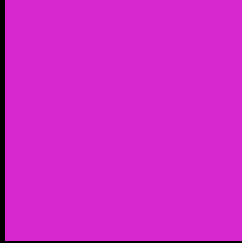
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4697, 0.3299, 0.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

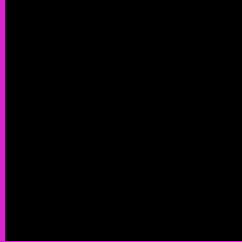
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4697, 0.3299, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 20.4697, 0.3299, 0.1686.



This preview shows how white text looks on a background with the Yxy color 20.4697, 0.3299, 0.1686.

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

20.4697, 0.3299, 0.1686

Protanopia

21.0542, 0.1755, 0.1466

Deuteranopia

20.7312, 0.2207, 0.2147



Tritanopia

20.4663, 0.4756, 0.3234

Trichromacy



Original Color

20.4697, 0.3299, 0.1686



Protanomaly

16.1027, 0.1932, 0.1314



Deuteranomaly

17.2798, 0.2488, 0.1769



Tritanomaly

19.4931, 0.4226, 0.2552

Monochromacy



Original Color

20.4697, 0.3299, 0.1686



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

14.9619, 0.3216, 0.2310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4697, 0.3299, 0.1686 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(215, 40, 207)` looks like.

```
.text, #text, p{  
    color:rgb(215, 40, 207)  
}
```

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(215, 40, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 40, 207) }
```

Border

The CSS property to change the border of an element to Yxy 20.4697, 0.3299, 0.1686 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(215, 40, 207) }
```

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

```
.border{ border-color:rgb(215, 40, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 40, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 40, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 40, 207);  
box-shadow:4px 4px 4px 4px rgb(215, 40,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4697, 0.3299, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 40, 207) }
```

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

```
.background{ background-color: rgb(215, 40,  
207) }
```

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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