

Converting Colors

$Y_{xy}(20.3062, 0.3247, 0.1670)$

Have a look what the booklet for
Yxy(20.3062, 0.3247, 0.1670)
contains.

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Color

Yxy(20.2789, 0.3251, 0.1673)

Conversions

Conversions Part 1

Format	Color
Hex	D42BD0
RGB	212, 43, 208
RGB Percent	83%, 17%, 82%
CMY	0.1686, 0.8315, 0.1842
CMYK	0.00, 0.80, 0.02, 0.17
HSL	301°, 66%, 50%
HSV	301°, 80%, 83%
XYZ	39.4063, 20.2789, 61.5276
YIQ	112.3410, 47.7590, 87.1430

Conversions

Conversions Part 2

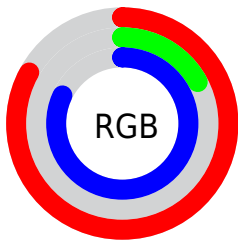
Format	Color
R _Y B	212, 43, 208
Decimal	13904848
CIE Lab	52.15, 79.08, -47.85
CIE LCh	52, 92.425, 328.823
Yxy	20.2789, 0.3251, 0.1673
Android (android.graphics.Color)	4292094928 (0xFFD42BD0)
YUV	112.3410, 47.1599, 87.4009
Hunter-Lab	45.0321, 77.3940, -49.4858

Details

The Yxy color **20.2789, 0.3251, 0.1673** 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 **47.8132, 0.3002, 0.5729**, and the grayscale version is **16.1521, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.6319, 0.3190, 0.1949**, and **9.0722, 0.3209, 0.1542** is the 20% darker color. If you saturate the color by 10%, you get **19.0950, 0.3261, 0.1606**, and if you desaturate by 10%, it is **22.2648, 0.3239, 0.1783**.

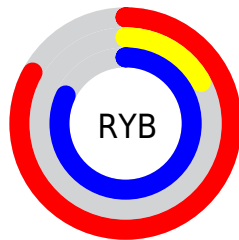
Distribution



Red (83%)

Green (17%)

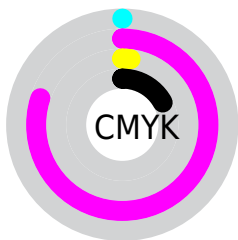
Blue (82%)



Red (83%)

Yellow (17%)

Blue (82%)

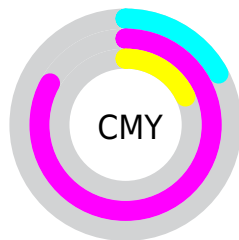


Cyan (0%)

Magenta (80%)

Yellow (2%)

Black (17%)



Cyan (17%)


Magenta (83%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2789, 0.3251, 0.1673 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 20.2789, 0.3251, 0.1673 by changing the saturation by 10% instead.


 20.2789, 0.3251,
0.1673


 20.2789, 0.3251,
0.1673


253.4210, 0.3230,
0.2445


 12.5979, 0.3242,
0.1498


 43.8843, 0.3254,
0.1941

 7.1523, 0.3223,
0.1287


 60.5775, 0.3252,
0.2046


 3.5575, 0.3182,
0.1031


 81.0436, 0.3249,
0.2136

 1.4293, 0.3101,
0.0724

 105.6670, 0.3245,
0.2214

 0.2381, 0.2977,
0.0239

 134.8320, 0.3242,
0.2283

 0.0000, 0.2598,
0.0000

168.9231, 0.3238,


 0.0000, 0.0413,


0.2343


0.0000


208.3246, 0.3234,
0.2397


 0.0000, 0.0000,
0.0000


 20.2789, 0.3251,
0.1673


 20.2789, 0.3251,
0.1673


 19.0950, 0.3261,
0.1606


 22.2648, 0.3239,
0.1783


 18.5179, 0.3269,
0.1575


 25.1589, 0.3224,
0.1934


 18.5051, 0.3270,
0.1575


 29.0544, 0.3209,
0.2121


 34.0321, 0.3192,
0.2337

 40.1645, 0.3175,
0.2571

 47.5180, 0.3158,
0.2814

 56.1540, 0.3142,
0.3058

 66.1296, 0.3127,
0.3296

 77.4985, 0.3113,
0.3523

Harmonies

Analogous

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



20.2789, 0.1886, 0.1299



20.2789, 0.3251, 0.1673



20.2789, 0.5019, 0.2325

Triad

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



20.2789, 0.3251, 0.1673



20.2789, 0.4921, 0.5079



20.2789, 0.0856, 0.2371

Complementary

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



20.2789, 0.3251, 0.1673



47.8132, 0.3002, 0.5729

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.



20.2789, 0.1306, 0.4268



20.2789, 0.3251, 0.1673



20.2789, 0.3602, 0.6207

Square

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



20.2789, 0.3251, 0.1673



20.2789, 0.5903, 0.3949



20.2789, 0.2322, 0.6259



20.2789, 0.0838, 0.1502

Rectangle

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



20.2789, 0.3251, 0.1673



20.2789, 0.5886, 0.2833



20.2789, 0.2322, 0.6259



20.2789, 0.0947, 0.2878

Sweetspot

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



20.2798, 0.3251, 0.1673



66.8819, 0.3166, 0.2704



7.0550, 0.1654, 0.0841



13.4743, 0.3172, 0.2616



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.



20.2798, 0.3251, 0.1673



28.3346, 0.3267, 0.1583



17.1968, 0.4539, 0.2462



12.6274, 0.3141, 0.3066



11.4243, 0.3269, 0.1574



0.6907, 0.3258, 0.1568

Inverse Universe

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



20.2798, 0.3251, 0.1673



28.3346, 0.3267, 0.1583



49.2283, 0.2671, 0.4599



12.6274, 0.3141, 0.3066



11.4243, 0.3269, 0.1574



0.6907, 0.3258, 0.1568

Previews

White Background



This preview shows how the Yxy color 20.2789, 0.3251, 0.1673 looks on a white background.

Color Contrast Check

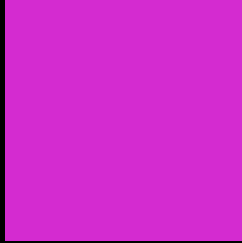
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2789, 0.3251, 0.1673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

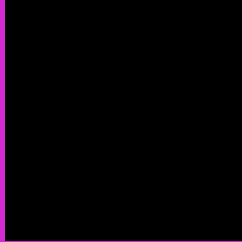
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2789, 0.3251, 0.1673

Background



This preview shows how black text looks on a background with the Yxy color 20.2789, 0.3251, 0.1673.



This preview shows how white text looks on a background with the Yxy color 20.2789, 0.3251, 0.1673.

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

20.2789, 0.3251, 0.1673

Protanopia

20.9803, 0.1747, 0.1463

Deuteranopia

20.6769, 0.2177, 0.2118



Tritanopia

20.2503, 0.4684, 0.3220

Trichromacy



Original Color

20.2789, 0.3251, 0.1673



Protanomaly

15.9330, 0.1896, 0.1308



Deuteranomaly

17.3070, 0.2445, 0.1752



Tritanomaly

19.2497, 0.4152, 0.2524

Monochromacy



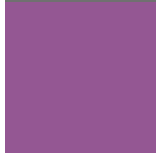
Original Color

20.2789, 0.3251, 0.1673



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.2189, 0.3187, 0.2322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2789, 0.3251, 0.1673 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(212, 43, 208)` looks like.

```
.text, #text, p{  
    color:rgb(212, 43, 208)  
}
```

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(212, 43, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 43, 208) }
```

Border

The CSS property to change the border of an element to Yxy 20.2789, 0.3251, 0.1673 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(212, 43, 208) }
```

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

```
.border{ border-color:rgb(212, 43, 208) }
```

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

Here you see how a box with a 4 pixel rgb(212, 43, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 43, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 43, 208);  
box-shadow:4px 4px 4px 4px rgb(212, 43,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2789, 0.3251, 0.1673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 43, 208) }
```

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

```
.background{ background-color: rgb(212, 43,  
208) }
```

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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