

Converting Colors

$Y_{xy}(20.0703, 0.3203, 0.1664)$

Have a look what the booklet for
Yxy(20.0703, 0.3203, 0.1664)
contains.

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Color

Yxy(20.1127, 0.3204, 0.1661)

Conversions

Conversions Part 1

Format	Color
Hex	D12ED1
RGB	209, 46, 209
RGB Percent	82%, 18%, 82%
CMY	0.1801, 0.8201, 0.1803
CMYK	0.00, 0.78, 0.00, 0.18
HSL	300°, 64%, 50%
HSV	300°, 78%, 82%
XYZ	38.7966, 20.1127, 62.1786
YIQ	113.3190, 44.8250, 85.2490

Conversions

Conversions Part 2

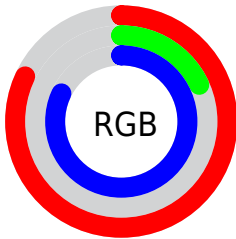
Format	Color
R _Y B	209, 46, 209
Decimal	13709009
CIE Lab	51.96, 77.95, -48.75
CIE LCh	52, 91.937, 327.978
Yxy	20.1127, 0.3204, 0.1661
Android (android.graphics.Color)	4291899089 (0xFFD12ED1)
YUV	113.3190, 47.1707, 83.9122
Hunter-Lab	44.8472, 75.9348, -50.8099

Details

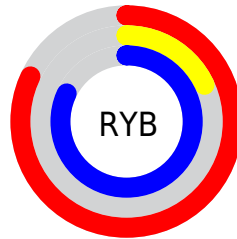
The Yxy color **20.1127, 0.3204, 0.1661** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **46.4074, 0.3013, 0.5724**, and the grayscale version is **16.4434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8489, 0.3190, 0.1956**, and **8.8171, 0.3145, 0.1506** is the 20% darker color. If you saturate the color by 10%, you get **18.8633, 0.3208, 0.1585**, and if you desaturate by 10%, it is **22.1578, 0.3198, 0.1780**.

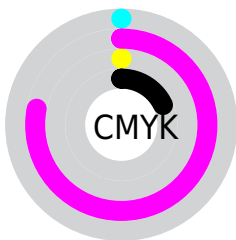
Distribution



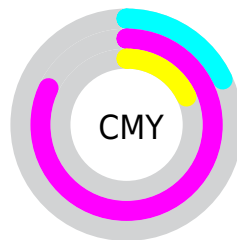
- Red (82%)
- Green (18%)
- Blue (82%)



- Red (82%)
- Yellow (18%)
- Blue (82%)



- Cyan (0%)
- Magenta (78%)
- Yellow (0%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.1127, 0.3204, 0.1661 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 20.1127, 0.3204, 0.1661 by changing the saturation by 10% instead.


 20.1127, 0.3204,
0.1661


 20.1127, 0.3204,
0.1661

252.5246, 0.3209,
0.2439


 12.4770, 0.3188,
0.1485


 43.6061, 0.3216,
0.1931


 7.0694, 0.3160,
0.1273


 60.2325, 0.3218,
0.2037


 3.5055, 0.3108,
0.1016


 80.6246, 0.3218,
0.2127

 1.4010, 0.3010,
0.0709

 105.1668, 0.3217,
0.2206

 0.2175, 0.2862,
0.0218

 134.2436, 0.3215,
0.2275

 0.0000, 0.2448,
0.0000

168.2392, 0.3213,

 0.0000, 0.0040,

0.2336

0.0000

207.5380, 0.3211,
0.2391

■ 0.0000, 0.0000,
0.0000

■ 20.1127, 0.3204,
0.1661

■ 20.1127, 0.3204,
0.1661

■ 18.8633, 0.3208,
0.1585

■ 22.1578, 0.3198,
0.1780

■ 18.2574, 0.3209,
0.1547

■ 25.0977, 0.3191,
0.1939

■ 18.1694, 0.3210,
0.1542

■ 29.0203, 0.3182,
0.2135

■ 34.0021, 0.3171,
0.2357

■ 40.1121, 0.3160,
0.2597

■ 47.4137, 0.3148,
0.2846

■ 55.9652, 0.3136,
0.3094

■ 65.8213, 0.3125,
0.3336

■ 77.0335, 0.3114,
0.3567

Harmonies

Analogous

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



20.1127, 0.1860, 0.1296



20.1127, 0.3204, 0.1661



20.1127, 0.4969, 0.2306

Triad

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



20.1127, 0.3204, 0.1661



20.1127, 0.4956, 0.5044



20.1127, 0.0866, 0.2411

Complementary

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



20.1127, 0.3204, 0.1661



46.4074, 0.3013, 0.5724

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.



20.1127, 0.1331, 0.4332



20.1127, 0.3204, 0.1661



20.1127, 0.3642, 0.6178

Square

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



20.1127, 0.3204, 0.1661



20.1127, 0.5918, 0.3923



20.1127, 0.2359, 0.6279



20.1127, 0.0837, 0.1520

Rectangle

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



20.1127, 0.3204, 0.1661



20.1127, 0.5854, 0.2813



20.1127, 0.2359, 0.6279



20.1127, 0.0961, 0.2928

Sweetspot

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



20.1136, 0.3204, 0.1661



68.1171, 0.3154, 0.2716



7.1283, 0.1665, 0.0872



13.7154, 0.3158, 0.2625



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.



20.1136, 0.3204, 0.1661



28.8269, 0.3209, 0.1556



17.0532, 0.4444, 0.2433



12.0090, 0.3138, 0.3061



11.1948, 0.3210, 0.1542



0.6260, 0.3210, 0.1542

Inverse Universe

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



20.1136, 0.3204, 0.1661



28.8269, 0.3209, 0.1556



47.7554, 0.2685, 0.4612



12.0090, 0.3138, 0.3061



11.1948, 0.3210, 0.1542



0.6260, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 20.1127, 0.3204, 0.1661 looks on a white background.

Color Contrast Check

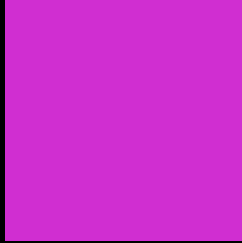
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1127, 0.3204, 0.1661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

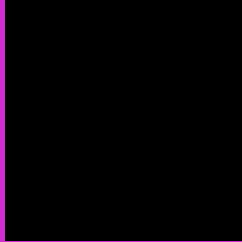
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.1127, 0.3204, 0.1661

Background



This preview shows how black text looks on a background with the Yxy color 20.1127, 0.3204, 0.1661.



This preview shows how white text looks on a background with the Yxy color 20.1127, 0.3204, 0.1661.

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

20.1127, 0.3204, 0.1661

Protanopia

20.6529, 0.1735, 0.1447

Deuteranopia

20.5834, 0.2153, 0.2101



Tritanopia

20.0457, 0.4611, 0.3205

Trichromacy



Original Color

20.1127, 0.3204, 0.1661



Protanomaly

15.5382, 0.1852, 0.1289



Deuteranomaly

17.2971, 0.2410, 0.1745



Tritanomaly

19.1500, 0.4075, 0.2507

Monochromacy



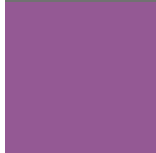
Original Color

20.1127, 0.3204, 0.1661



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.5788, 0.3172, 0.2338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1127, 0.3204, 0.1661 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(209, 46, 209)` looks like.

```
.text, #text, p{  
    color:rgb(209, 46, 209)  
}
```

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(209, 46, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 46, 209) }
```

Border

The CSS property to change the border of an element to Yxy 20.1127, 0.3204, 0.1661 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(209, 46, 209) }
```

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

```
.border{ border-color:rgb(209, 46, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 46, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 46, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 46, 209);  
box-shadow:4px 4px 4px 4px rgb(209, 46,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1127, 0.3204, 0.1661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 46, 209) }
```

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

```
.background{ background-color: rgb(209, 46,  
209) }
```

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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