

Converting Colors

$Y_{xy}(21.1215, 0.2804, 0.1505)$

Have a look what the booklet for
Yxy(21.1215, 0.2804, 0.1505)
contains.

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Color

Yxy(21.1215, 0.2804, 0.1505)

Conversions

Conversions Part 1

Format	Color
Hex	C43EEA
RGB	196, 62, 234
RGB Percent	77%, 24%, 92%
CMY	0.2312, 0.7571, 0.0822
CMYK	0.16, 0.74, 0.00, 0.08
HSL	287°, 80%, 58%
HSV	287°, 74%, 92%
XYZ	39.3520, 21.1215, 79.8687
YIQ	121.6740, 24.6520, 81.9000

Conversions

Conversions Part 2

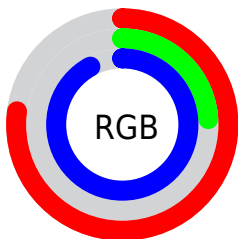
Format	Color
R _{YB}	196, 62, 234
Decimal	12861162
CIE _{Lab}	53.08, 74.89, -61.26
CIE _{LCh}	53, 96.758, 320.715
Yxy	21.1215, 0.2804, 0.1505
Android (android.graphics.Color)	4291051242 (0xFFC43EEA)
YUV	121.6740, 55.3767, 65.1839
Hunter-Lab	45.9581, 72.4151, -70.8669

Details

The Yxy color **21.1215, 0.2804, 0.1505** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **61.9152, 0.3171, 0.5524**, and the grayscale version is **19.1528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3991, 0.3186, 0.2039**, and **8.4927, 0.2645, 0.1231** is the 20% darker color. If you saturate the color by 10%, you get **18.4240, 0.2744, 0.1366**, and if you desaturate by 10%, it is **24.9390, 0.2863, 0.1689**.

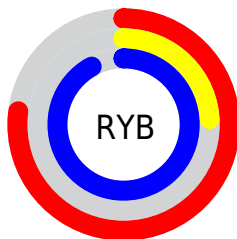
Distribution



Red (77%)

Green (24%)

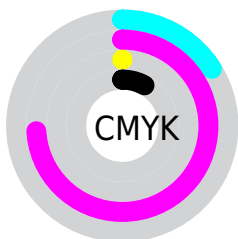
Blue (92%)



Red (77%)

Yellow (24%)

Blue (92%)

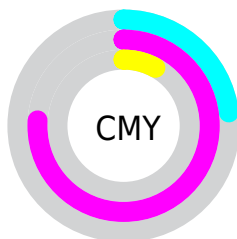


Cyan (16%)

Magenta (74%)

Yellow (0%)

Black (8%)



Cyan (23%)


Magenta (76%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1215, 0.2804, 0.1505 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 21.1215, 0.2804, 0.1505 by changing the saturation by 10% instead.


 21.1215, 0.2804,
0.1505


 21.1215, 0.2804,
0.1505


257.9235, 0.3023,
0.2331


 13.2128, 0.2735,
0.1328


 45.2897, 0.2895,
0.1785

 7.5753, 0.2640,
0.1119


 62.3179, 0.2926,
0.1896

 3.8244, 0.2504,
0.0874


 83.1549, 0.2951,
0.1993

 1.5758, 0.2304,
0.0595

 108.1849, 0.2971,
0.2078

 0.3412, 0.2013,
0.0233

 137.7924, 0.2988,
0.2152

 0.0000, 0.1540,
0.0000

172.3617, 0.3002,


 0.0000, 0.0164,


0.2218


0.0000


212.2773, 0.3013,
0.2278


 0.0000, 0.0000,
0.0000


 21.1215, 0.2804,
0.1505

 21.1215, 0.2804,
0.1505


 18.4240, 0.2744,
0.1366


 24.9390, 0.2863,
0.1689


 16.6917, 0.2685,
0.1273


 29.9993, 0.2919,
0.1910

 15.9344, 0.2648,
0.1232


 36.4117, 0.2971,
0.2157

 44.2727, 0.3017,
0.2420

 53.6699, 0.3057,
0.2687

 64.6838, 0.3091,
0.2951

 77.3894, 0.3119,
0.3204

 91.8568, 0.3141,
0.3442

 96.4343, 0.3170,
0.3497

Harmonies

Analogous

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



21.1215, 0.1596, 0.1212



21.1215, 0.2804, 0.1505



21.1215, 0.4595, 0.2099

Triad

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



21.1215, 0.2804, 0.1505



21.1215, 0.5256, 0.4744



21.1215, 0.0880, 0.2745

Complementary

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



21.1215, 0.2804, 0.1505



61.9152, 0.3171, 0.5524

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.



21.1215, 0.1481, 0.4969



21.1215, 0.2804, 0.1505



21.1215, 0.3964, 0.6016

Square

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



21.1215, 0.2804, 0.1505



21.1215, 0.6121, 0.3674



21.1215, 0.2616, 0.6565



21.1215, 0.0770, 0.1618

Rectangle

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



21.1215, 0.2804, 0.1505



21.1215, 0.5671, 0.2598



21.1215, 0.2616, 0.6565



21.1215, 0.1013, 0.3378

Sweetspot

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



21.1224, 0.2804, 0.1505



67.0079, 0.3062, 0.2725



16.4837, 0.1830, 0.1397



13.6194, 0.3052, 0.2653



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.



21.1224, 0.2804, 0.1505



21.2264, 0.2715, 0.1315



24.5721, 0.3749, 0.2059



15.1364, 0.3103, 0.3055



9.0093, 0.2657, 0.1237



0.7487, 0.2737, 0.1281

Inverse Universe

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



21.8536, 0.5125, 0.2951



22.8002, 0.5702, 0.3011



60.9648, 0.2862, 0.5115



15.1085, 0.3258, 0.3238



9.9827, 0.6015, 0.3087



0.7980, 0.5632, 0.2876

Previews

White Background



This preview shows how the Yxy color 21.1215, 0.2804, 0.1505 looks on a white background.

Color Contrast Check

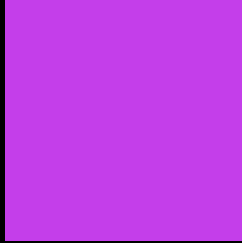
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1215, 0.2804, 0.1505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

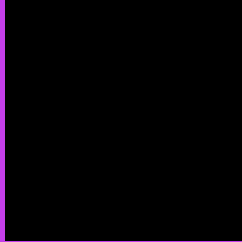
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1215, 0.2804, 0.1505

Background



This preview shows how black text looks on a background with the Yxy color 21.1215, 0.2804, 0.1505.



This preview shows how white text looks on a background with the Yxy color 21.1215, 0.2804, 0.1505.

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

21.1215, 0.2804, 0.1505

Protanopia

21.6930, 0.1776, 0.1498

Deuteranopia

21.6091, 0.1910, 0.1851



Tritanopia

20.8791, 0.4049, 0.3175

Trichromacy



Original Color

21.1215, 0.2804, 0.1505



Protanomaly

18.2981, 0.1925, 0.1362



Deuteranomaly

18.4159, 0.2064, 0.1565



Tritanomaly

19.8934, 0.3543, 0.2376

Monochromacy



Original Color

21.1215, 0.2804, 0.1505



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.1482, 0.2997, 0.2308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1215, 0.2804, 0.1505 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(196, 62, 234)` looks like.

```
.text, #text, p{  
    color:rgb(196, 62, 234)  
}
```

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(196, 62, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 62, 234) }
```

Border

The CSS property to change the border of an element to Yxy 21.1215, 0.2804, 0.1505 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(196, 62, 234) }
```

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

```
.border{ border-color:rgb(196, 62, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 62, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 62, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 62, 234);  
box-shadow:4px 4px 4px 4px rgb(196, 62,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1215, 0.2804, 0.1505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 62, 234) }
```

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

```
.background{ background-color: rgb(196, 62,  
234) }
```

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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