

Converting Colors

$Y_{xy}(21.8769, 0.3284, 0.1603)$

Have a look what the booklet for
Yxy(21.8769, 0.3284, 0.1603)
contains.

Yxy(21.8688, 0.3287, 0.1605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.8688, 0.3287, 0.1605)

Conversions

Conversions Part 1

Format	Color
Hex	E310DC
RGB	227, 16, 220
RGB Percent	89%, 6%, 86%
CMY	0.1098, 0.9375, 0.1371
CMYK	0.00, 0.93, 0.03, 0.11
HSL	302°, 87%, 48%
HSV	302°, 93%, 89%
XYZ	44.7868, 21.8688, 69.5986
YIQ	102.3450, 60.2720, 108.1760

Conversions

Conversions Part 2

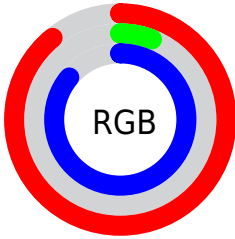
Format	Color
R _Y B	227, 16, 220
Decimal	14880988
CIE Lab	53.89, 87.84, -51.79
CIE LCh	54, 101.972, 329.478
Yxy	21.8688, 0.3287, 0.1605
Android (android.graphics.Color)	4293071068 (0xFFE310DC)
YUV	102.3450, 58.0039, 109.3224
Hunter-Lab	46.7641, 89.1153, -55.5060

Details

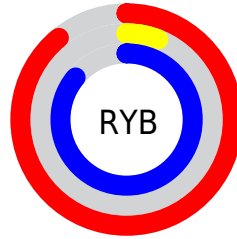
The Yxy color **21.8688, 0.3287, 0.1605** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **55.1110, 0.2996, 0.5931**, and the grayscale version is **13.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **10.8958, 0.3254, 0.1566** is the 20% darker color. If you saturate the color by 10%, you get **21.4730, 0.3294, 0.1589**, and if you desaturate by 10%, it is **22.9686, 0.3275, 0.1656**.

Distribution



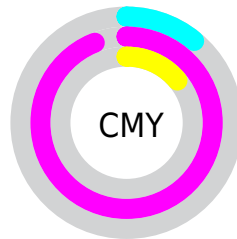
- Red (89%)
- Green (6%)
- Blue (86%)



- Red (89%)
- Yellow (6%)
- Blue (86%)



- Cyan (0%)
- Magenta (93%)
- Yellow (3%)
- Black (11%)





- Cyan (11%)
- Magenta (94%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8688, 0.3287, 0.1605 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 21.8688, 0.3287, 0.1605 by changing the saturation by 10% instead.


 21.8688, 0.3287,
0.1605


 21.8688, 0.3287,
0.1605


261.8604, 0.3253,
0.2388


 13.7605, 0.3281,
0.1434


 46.5291, 0.3286,
0.1873

 7.9543, 0.3265,
0.1230


 63.8498, 0.3282,
0.1978


 4.0657, 0.3232,
0.0986


 85.0102, 0.3277,
0.2070

 1.7104, 0.3163,
0.0699

 110.3946, 0.3272,
0.2150

 0.4304, 0.3038,
0.0329

 140.3875, 0.3268,
0.2220

 0.0000, 0.2755,
0.0000

175.3731, 0.3263,

 0.0000, 0.1937,

0.2283

0.0000

215.7359, 0.3258,
0.2338

■ 0.0000, 0.0000,
0.0000

■ 21.8688, 0.3287,
0.1605

■ 21.8688, 0.3287,
0.1605

■ 21.4730, 0.3294,
0.1589

■ 22.9686, 0.3275,
0.1656

■ 24.9553, 0.3260,
0.1750

■ 27.9688, 0.3244,
0.1887

■ 32.1239, 0.3225,
0.2063

■ 37.5204, 0.3206,
0.2269

■ 44.2469, 0.3187,
0.2497

■ 52.3842, 0.3168,
0.2738

■ 62.0064, 0.3149,
0.2981

■ 73.1827, 0.3132,
0.3220

Harmonies

Analogous

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



21.8688, 0.1837, 0.1218



21.8688, 0.3287, 0.1605



21.8688, 0.5188, 0.2276

Triad

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



21.8688, 0.3287, 0.1605



21.8688, 0.4896, 0.5104



21.8688, 0.0753, 0.2258

Complementary

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



21.8688, 0.3287, 0.1605



55.1110, 0.2996, 0.5931

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.



21.8688, 0.1176, 0.4275



21.8688, 0.3287, 0.1605



21.8688, 0.3519, 0.6396

Square

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



21.8688, 0.3287, 0.1605



21.8688, 0.6009, 0.3928



21.8688, 0.2194, 0.6495



21.8688, 0.0753, 0.1395

Rectangle

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



21.8688, 0.3287, 0.1605



21.8688, 0.6087, 0.2790



21.8688, 0.2194, 0.6495



21.8688, 0.0834, 0.2782

Sweetspot

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



21.8698, 0.3287, 0.1605



62.4442, 0.3177, 0.2612



6.0584, 0.1533, 0.0648



12.4226, 0.3186, 0.2508



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.



21.8698, 0.3287, 0.1605



27.9500, 0.3295, 0.1589



18.0074, 0.4887, 0.2505



14.6066, 0.3143, 0.3066



12.5263, 0.3293, 0.1588



0.9282, 0.3280, 0.1580

Inverse Universe

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



21.8698, 0.3287, 0.1605



27.9500, 0.3295, 0.1589



56.5299, 0.2692, 0.4849



14.6066, 0.3143, 0.3066



12.5263, 0.3293, 0.1588



0.9282, 0.3280, 0.1580

Previews

White Background



This preview shows how the Yxy color 21.8688, 0.3287, 0.1605 looks on a white background.

Color Contrast Check

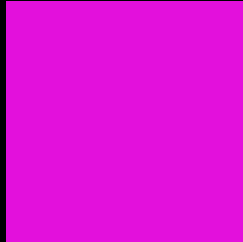
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8688, 0.3287, 0.1605 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 21.8688, 0.3287, 0.1605

Background



This preview shows how black text looks on a background with the Yxy color 21.8688, 0.3287, 0.1605.



This preview shows how white text looks on a background with the Yxy color 21.8688, 0.3287, 0.1605.

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

21.8688, 0.3287, 0.1605

Protanopia

22.7226, 0.1813, 0.1546

Deuteranopia

22.4016, 0.2138, 0.2083



Tritanopia

21.9028, 0.4880, 0.3228

Trichromacy



Original Color

21.8688, 0.3287, 0.1605



Protanomaly

16.5111, 0.2028, 0.1286



Deuteranomaly

17.2166, 0.2403, 0.1605



Tritanomaly

20.2616, 0.4320, 0.2463

Monochromacy



Original Color

21.8688, 0.3287, 0.1605



Achromatopsia

13.2868, 0.3127, 0.3290



Achromatomaly

12.7539, 0.3213, 0.2112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8688, 0.3287, 0.1605 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(227, 16, 220)` looks like.

```
.text, #text, p{  
    color:rgb(227, 16, 220)  
}
```

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(227, 16, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 16, 220) }
```

Border

The CSS property to change the border of an element to Yxy 21.8688, 0.3287, 0.1605 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(227, 16, 220) }
```

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

```
.border{ border-color:rgb(227, 16, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 16, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 16, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 16, 220);  
box-shadow:4px 4px 4px 4px rgb(227, 16,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8688, 0.3287, 0.1605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 16, 220) }
```

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

```
.background{ background-color: rgb(227, 16,  
220) }
```

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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