

Converting Colors

$Y_{xy}(21.0927, 0.2986, 0.1546)$

Have a look what the booklet for
Yxy(21.0927, 0.2986, 0.1546)
contains.

Yxy(21.0927, 0.2986, 0.1546)	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(21.0927, 0.2986, 0.1546)

Conversions

Conversions Part 1

Format	Color
Hex	CF32E3
RGB	207, 50, 227
RGB Percent	81%, 20%, 89%
CMY	0.1882, 0.8039, 0.1098
CMYK	0.09, 0.78, 0.00, 0.11
HSL	293°, 76%, 54%
HSV	293°, 78%, 89%
XYZ	40.7392, 21.0927, 74.6021
YIQ	117.1210, 36.7550, 88.3310

Conversions

Conversions Part 2

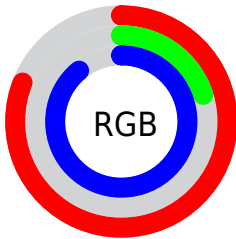
Format	Color
R _{YB}	207, 50, 227
Decimal	13578979
CIE _{Lab}	53.05, 79.36, -57.26
CIE _{LCh}	53, 97.859, 324.185
Yxy	21.0927, 0.2986, 0.1546
Android (android.graphics.Color)	4291769059 (0xFFCF32E3)
YUV	117.1210, 54.1703, 78.8239
Hunter-Lab	45.9268, 77.9659, -64.1602

Details

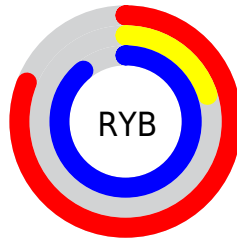
The Yxy color **21.0927, 0.2986, 0.1546** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **56.4746, 0.3077, 0.5684**, and the grayscale version is **17.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5146, 0.3189, 0.1978**, and **9.2362, 0.2874, 0.1357** is the 20% darker color. If you saturate the color by 10%, you get **19.2436, 0.2957, 0.1448**, and if you desaturate by 10%, it is **23.9107, 0.3014, 0.1688**.

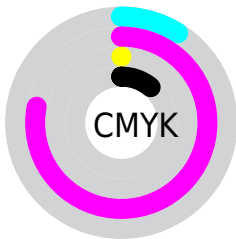
Distribution



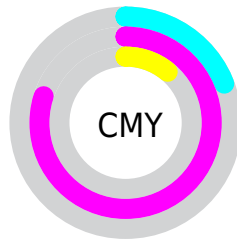
- Red (81%)
- Green (20%)
- Blue (89%)



- Red (81%)
- Yellow (20%)
- Blue (89%)



- Cyan (9%)
- Magenta (78%)
- Yellow (0%)
- Black (11%)





- Cyan (19%)
- Magenta (80%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0927, 0.2986, 0.1546 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 21.0927, 0.2986, 0.1546 by changing the saturation by 10% instead.


 21.0927, 0.2986,
0.1546


 21.0927, 0.2986,
0.1546


257.7707, 0.3111,
0.2357


 13.1918, 0.2940,
0.1370


 45.2418, 0.3043,
0.1822


 7.5607, 0.2872,
0.1162


 62.2587, 0.3061,
0.1931

 3.8152, 0.2771,
0.0915


 83.0831, 0.3075,
0.2026

 1.5707, 0.2613,
0.0630

 108.0993, 0.3086,
0.2109

 0.3377, 0.2372,
0.0250

 137.6918, 0.3095,
0.2182

 0.0000, 0.1932,
0.0000

172.2450, 0.3101,

 0.0000, 0.0616,

0.2247


0.0000


212.1431, 0.3107,
0.2305


 0.0000, 0.0000,
0.0000


 21.0927, 0.2986,
0.1546


 21.0927, 0.2986,
0.1546


 19.2436, 0.2957,
0.1448


 23.9107, 0.3014,
0.1688


 18.1852, 0.2928,
0.1392

 27.8203, 0.3039,
0.1871

 18.0131, 0.2922,
0.1383

 32.9289, 0.3062,
0.2088

 39.3303, 0.3082,
0.2328

 47.1089, 0.3098,
0.2582

■ 56.3422, 0.3111,
0.2840

■ 67.1016, 0.3121,
0.3094

■ 79.4541, 0.3128,
0.3338

■ 93.4623, 0.3133,
0.3568

Harmonies

Analogous

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



21.0927, 0.1689, 0.1216



21.0927, 0.2986, 0.1546



21.0927, 0.4823, 0.2171

Triad

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



21.0927, 0.2986, 0.1546



21.0927, 0.5119, 0.4881



21.0927, 0.0830, 0.2546

Complementary

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



21.0927, 0.2986, 0.1546



56.4746, 0.3077, 0.5684

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.



21.0927, 0.1361, 0.4698



21.0927, 0.2986, 0.1546



21.0927, 0.3794, 0.6161

Square

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



21.0927, 0.2986, 0.1546



21.0927, 0.6077, 0.3771



21.0927, 0.2455, 0.6548



21.0927, 0.0765, 0.1529

Rectangle

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



21.0927, 0.2986, 0.1546



21.0927, 0.5837, 0.2678



21.0927, 0.2455, 0.6548



21.0927, 0.0942, 0.3136

Sweetspot

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



21.0936, 0.2986, 0.1546



66.8825, 0.3105, 0.2707



10.6866, 0.1708, 0.1049



13.4104, 0.3100, 0.2613



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.



21.0936, 0.2986, 0.1546



24.0499, 0.2938, 0.1408



21.1217, 0.4111, 0.2221



14.5282, 0.3120, 0.3057



10.5370, 0.2927, 0.1386



0.8023, 0.2970, 0.1410

Inverse Universe

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



19.0554, 0.5592, 0.3141



21.7801, 0.6167, 0.3210



56.9247, 0.2778, 0.4934



14.3943, 0.3275, 0.3264



9.5754, 0.6260, 0.3222



0.7164, 0.5961, 0.3057

Previews

White Background



This preview shows how the Yxy color 21.0927, 0.2986, 0.1546 looks on a white background.

Color Contrast Check

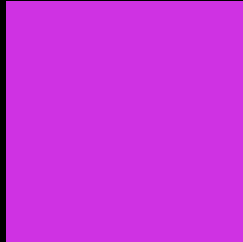
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0927, 0.2986, 0.1546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

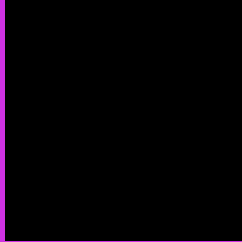
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0927, 0.2986, 0.1546

Background



This preview shows how black text looks on a background with the Yxy color 21.0927, 0.2986, 0.1546.



This preview shows how white text looks on a background with the Yxy color 21.0927, 0.2986, 0.1546.

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

21.0927, 0.2986, 0.1546

Protanopia

21.6930, 0.1776, 0.1498

Deuteranopia

21.4346, 0.1995, 0.1935



Tritanopia

20.9618, 0.4374, 0.3199

Trichromacy



Original Color

21.0927, 0.2986, 0.1546



Protanomaly

17.4451, 0.1941, 0.1328



Deuteranomaly

17.9418, 0.2198, 0.1607



Tritanomaly

19.9251, 0.3831, 0.2432

Monochromacy



Original Color

21.0927, 0.2986, 0.1546



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

16.7471, 0.3082, 0.2286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0927, 0.2986, 0.1546 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(207, 50, 227)` looks like.

```
.text, #text, p{  
    color:rgb(207, 50, 227)  
}
```

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(207, 50, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 50, 227) }
```

Border

The CSS property to change the border of an element to Yxy 21.0927, 0.2986, 0.1546 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(207, 50, 227) }
```

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

```
.border{ border-color:rgb(207, 50, 227) }
```

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

Here you see how a box with a 4 pixel rgb(207, 50, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 50, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 50, 227);  
box-shadow:4px 4px 4px 4px rgb(207, 50,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0927, 0.2986, 0.1546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 50, 227) }
```

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

```
.background{ background-color: rgb(207, 50,  
227) }
```

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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