

Converting Colors

$Y_{xy}(23.2986, 0.3556, 0.1945)$

Have a look what the booklet for
Yxy(23.2986, 0.3556, 0.1945)
contains.

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Color

Yxy(23.2852, 0.3555, 0.1945)

Conversions

Conversions Part 1

Format	Color
Hex	E13DC3
RGB	225, 61, 195
RGB Percent	88%, 24%, 76%
CMY	0.1178, 0.7605, 0.2353
CMYK	0.00, 0.73, 0.13, 0.12
HSL	311°, 73%, 56%
HSV	311°, 73%, 88%
XYZ	42.5598, 23.2852, 53.8732
YIQ	125.3120, 54.7300, 76.4420

Conversions

Conversions Part 2

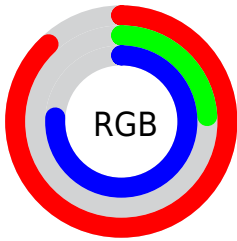
Format	Color
R _Y B	225, 61, 195
Decimal	14761411
CIE Lab	55.36, 74.92, -35.14
CIE LCh	55, 82.749, 334.869
Yxy	23.2852, 0.3555, 0.1945
Android (android.graphics.Color)	4292951491 (0xFFE13DC3)
YUV	125.3120, 34.3562, 87.4264
Hunter-Lab	48.2547, 72.9881, -32.4150

Details

The Yxy color **23.2852, 0.3555, 0.1945** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **55.5797, 0.2918, 0.5277**, and the grayscale version is **20.4978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4542, 0.3212, 0.2069**, and **10.0301, 0.3627, 0.1772** is the 20% darker color. If you saturate the color by 10%, you get **21.1808, 0.3626, 0.1867**, and if you desaturate by 10%, it is **26.4039, 0.3483, 0.2067**.

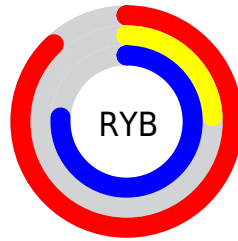
Distribution



Red (88%)

Green (24%)

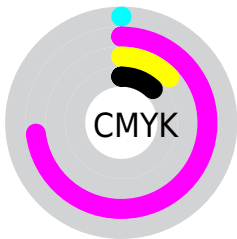
Blue (76%)



Red (88%)

Yellow (24%)

Blue (76%)

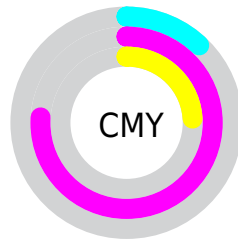


Cyan (0%)

Magenta (73%)

Yellow (13%)

Black (12%)



Cyan (12%)


Magenta (76%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.2852, 0.3555, 0.1945 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 23.2852, 0.3555, 0.1945 by changing the saturation by 10% instead.


 23.2852, 0.3555,
0.1945


 23.2852, 0.3555,
0.1945


269.1865, 0.3358,
0.2599


 14.8042, 0.3598,
0.1791


 48.8612, 0.3488,
0.2176


 8.6821, 0.3648,
0.1601

 66.7250, 0.3461,
0.2265


 4.5344, 0.3707,
0.1362


 88.4853, 0.3438,
0.2341

 1.9768, 0.3772,
0.1057

 114.5263, 0.3418,
0.2407

 0.5939, 0.3845,
0.0645

 145.2326, 0.3400,
0.2464

 0.0000, 0.3932,
0.0000

180.9884, 0.3384,

 0.0000, 0.2942,

0.2515

0.0000

222.1783, 0.3370,
0.2559

■ 0.0000, 0.0000,
0.0000

■ 23.2852, 0.3555,
0.1945

■ 23.2852, 0.3555,
0.1945

■ 21.1808, 0.3626,
0.1867

■ 26.4039, 0.3483,
0.2067

■ 19.9518, 0.3694,
0.1835

■ 30.6454, 0.3413,
0.2225

■ 19.4542, 0.3741,
0.1835

■ 36.1083, 0.3346,
0.2410

■ 42.8793, 0.3285,
0.2612

■ 51.0372, 0.3230,
0.2821

 60.6547, 0.3181,
0.3030

 71.7992, 0.3138,
0.3234

 84.5341, 0.3102,
0.3427

 93.3483, 0.3073,
0.3525

Harmonies

Analogous

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



23.2852, 0.2236, 0.1532



23.2852, 0.3555, 0.1945



23.2852, 0.5033, 0.2597

Triad

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



23.2852, 0.3555, 0.1945



23.2852, 0.4605, 0.5192



23.2852, 0.1037, 0.2305

Complementary

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



23.2852, 0.3555, 0.1945



55.5797, 0.2918, 0.5277

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.



23.2852, 0.1402, 0.3761



23.2852, 0.3555, 0.1945



23.2852, 0.3440, 0.5974

Square

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



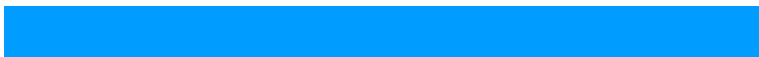
23.2852, 0.3555, 0.1945



23.2852, 0.5525, 0.4202



23.2852, 0.2275, 0.5530



23.2852, 0.1066, 0.1614

Rectangle

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



23.2852, 0.3555, 0.1945



23.2852, 0.5663, 0.3094



23.2852, 0.2275, 0.5530



23.2852, 0.1107, 0.2696

Sweetspot

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



23.2863, 0.3555, 0.1945



68.6375, 0.3226, 0.2836



10.8735, 0.1885, 0.1061



14.0095, 0.3240, 0.2778



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.



23.2863, 0.3555, 0.1945



27.2329, 0.3659, 0.1846



20.6009, 0.4782, 0.2748



13.8904, 0.3166, 0.3101



11.2309, 0.3732, 0.1829



0.7898, 0.3637, 0.1777

Inverse Universe

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



23.2863, 0.3555, 0.1945



27.2329, 0.3659, 0.1846



57.7384, 0.2557, 0.4086



13.8904, 0.3166, 0.3101



11.2309, 0.3732, 0.1829



0.7898, 0.3637, 0.1777

Previews

White Background



This preview shows how the Yxy color 23.2852, 0.3555, 0.1945 looks on a white background.

Color Contrast Check

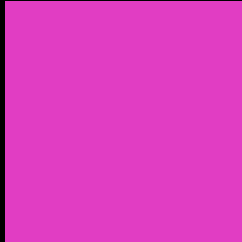
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.2852, 0.3555, 0.1945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

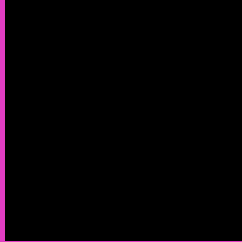
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.2852, 0.3555, 0.1945

Background



This preview shows how black text looks on a background with the Yxy color 23.2852, 0.3555, 0.1945.



This preview shows how white text looks on a background with the Yxy color 23.2852, 0.3555, 0.1945.

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

23.2852, 0.3555, 0.1945

Protanopia

23.8824, 0.1876, 0.1617

Deuteranopia

23.4484, 0.2490, 0.2425



Tritanopia

23.3285, 0.4770, 0.3226

Trichromacy



Original Color

23.2852, 0.3555, 0.1945



Protanomaly

19.9378, 0.2191, 0.1578



Deuteranomaly

21.0501, 0.2810, 0.2109



Tritanomaly

22.6662, 0.4333, 0.2694

Monochromacy



Original Color

23.2852, 0.3555, 0.1945



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.2818, 0.3305, 0.2554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.2852, 0.3555, 0.1945 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(225, 61, 195)` looks like.

```
.text, #text, p{  
    color:rgb(225, 61, 195)  
}
```

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(225, 61, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 61, 195) }
```

Border

The CSS property to change the border of an element to Yxy 23.2852, 0.3555, 0.1945 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(225, 61, 195) }
```

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

```
.border{ border-color:rgb(225, 61, 195) }
```

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

Here you see how a box with a 4 pixel rgb(225, 61, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 61, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 61, 195);  
box-shadow:4px 4px 4px 4px rgb(225, 61,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 23.2852, 0.3555, 0.1945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 61, 195) }
```

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

```
.background{ background-color: rgb(225, 61,  
195) }
```

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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