

Converting Colors

$Y_{xy}(22.7859, 0.3614, 0.1963)$

Have a look what the booklet for
Yxy(22.7859, 0.3614, 0.1963)
contains.

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Color

Yxy(22.7953, 0.3610, 0.1961)

Conversions

Conversions Part 1

Format	Color
Hex	E13ABF
RGB	225, 58, 191
RGB Percent	88%, 23%, 75%
CMY	0.1177, 0.7724, 0.2509
CMYK	0.00, 0.74, 0.15, 0.12
HSL	312°, 74%, 55%
HSV	312°, 74%, 88%
XYZ	41.9638, 22.7953, 51.4841
YIQ	123.0950, 56.8390, 76.7670

Conversions

Conversions Part 2

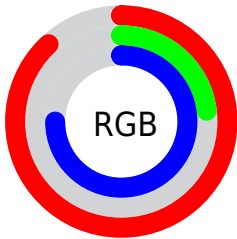
Format	Color
R _Y B	225, 58, 191
Decimal	14760639
CIE Lab	54.86, 75.29, -33.64
CIE LCh	55, 82.466, 335.927
Yxy	22.7953, 0.3610, 0.1961
Android (android.graphics.Color)	4292950719 (0xFFE13ABF)
YUV	123.0950, 33.4772, 89.3707
Hunter-Lab	47.7444, 73.3355, -30.5129

Details

The Yxy color **22.7953, 0.3610, 0.1961** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed rose. A complement of this color would be **55.5118, 0.2905, 0.5270**, and the grayscale version is **19.7203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7121, 0.3248, 0.2084**, and **9.9131, 0.3703, 0.1813** is the 20% darker color. If you saturate the color by 10%, you get **20.8019, 0.3690, 0.1892**, and if you desaturate by 10%, it is **25.7876, 0.3529, 0.2075**.

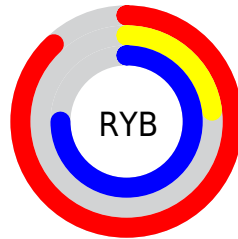
Distribution



Red (88%)

Green (23%)

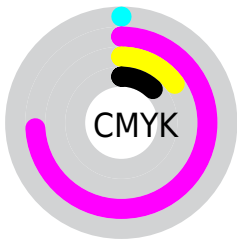
Blue (75%)



Red (88%)

Yellow (23%)

Blue (75%)

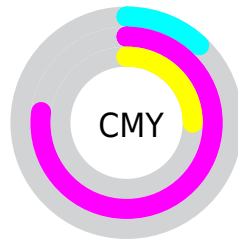


Cyan (0%)

Magenta (74%)

Yellow (15%)

Black (12%)



Cyan (12%)


Magenta (77%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7953, 0.3610, 0.1961 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 22.7953, 0.3610, 0.1961 by changing the saturation by 10% instead.


 22.7953, 0.3610,
0.1961


 22.7953, 0.3610,
0.1961


266.6719, 0.3381,
0.2611


 14.4424, 0.3662,
0.1807


 48.0570, 0.3531,
0.2192


 8.4290, 0.3724,
0.1616


 65.7346, 0.3500,
0.2280

 4.3707, 0.3800,
0.1374


 87.2893, 0.3473,
0.2356

 1.8830, 0.3890,
0.1066

 113.1053, 0.3450,
0.2421

 0.5381, 0.4007,
0.0629

 143.5672, 0.3429,
0.2478

 0.0000, 0.4147,
0.0000

179.0594, 0.3411,

 0.0000, 0.3175,

0.2527

0.0000

219.9661, 0.3395,
0.2572

■ 0.0000, 0.0000,
0.0000

■ 22.7953, 0.3610,
0.1961

■ 22.7953, 0.3610,
0.1961

■ 20.8019, 0.3690,
0.1892

■ 25.7876, 0.3529,
0.2075

■ 19.6644, 0.3767,
0.1870


■ 29.8900, 0.3451,
0.2226


■ 19.2667, 0.3811,
0.1873

■ 35.2028, 0.3376,
0.2404


■ 41.8139, 0.3308,
0.2600

■ 49.8031, 0.3246,
0.2805

 59.2440, 0.3192,
0.3009

 70.2045, 0.3145,
0.3209

 82.7487, 0.3105,
0.3399

 93.3620, 0.3072,
0.3523

Harmonies

Analogous

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



22.7953, 0.2271, 0.1537



22.7953, 0.3610, 0.1961



22.7953, 0.5083, 0.2620

Triad

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



22.7953, 0.3610, 0.1961



22.7953, 0.4568, 0.5231



22.7953, 0.1027, 0.2265

Complementary

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



22.7953, 0.3610, 0.1961



55.5118, 0.2905, 0.5270

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.



22.7953, 0.1375, 0.3697



22.7953, 0.3610, 0.1961



22.7953, 0.3396, 0.5995

Square

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



22.7953, 0.3610, 0.1961



22.7953, 0.5506, 0.4234



22.7953, 0.2233, 0.5492



22.7953, 0.1069, 0.1596

Rectangle

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



22.7953, 0.3610, 0.1961



22.7953, 0.5691, 0.3119



22.7953, 0.2233, 0.5492



22.7953, 0.1092, 0.2647

Sweetspot

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



22.7964, 0.3610, 0.1961



68.5673, 0.3235, 0.2847



10.7116, 0.1900, 0.1046



13.9928, 0.3250, 0.2791



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.



22.7964, 0.3610, 0.1961



26.6875, 0.3732, 0.1874



20.1197, 0.4924, 0.2808



13.8853, 0.3169, 0.3105



11.1221, 0.3799, 0.1867



0.7832, 0.3691, 0.1807

Inverse Universe

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



22.7964, 0.3610, 0.1961



26.6875, 0.3732, 0.1874



57.8301, 0.2528, 0.4017



13.8853, 0.3169, 0.3105



11.1221, 0.3799, 0.1867



0.7832, 0.3691, 0.1807

Previews

White Background



This preview shows how the Yxy color 22.7953, 0.3610, 0.1961 looks on a white background.

Color Contrast Check

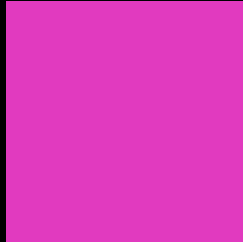
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7953, 0.3610, 0.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

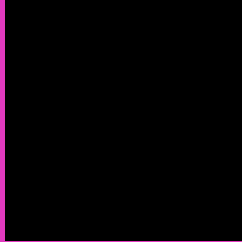
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7953, 0.3610, 0.1961

Background



This preview shows how black text looks on a background with the Yxy color 22.7953, 0.3610, 0.1961.



This preview shows how white text looks on a background with the Yxy color 22.7953, 0.3610, 0.1961.

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

22.7953, 0.3610, 0.1961

Protanopia

23.4643, 0.1884, 0.1628

Deuteranopia

23.0145, 0.2517, 0.2463



Tritanopia

22.7558, 0.4835, 0.3228

Trichromacy



Original Color

22.7953, 0.3610, 0.1961



Protanomaly

19.5686, 0.2205, 0.1588



Deuteranomaly

20.4713, 0.2847, 0.2126



Tritanomaly

22.1475, 0.4393, 0.2700

Monochromacy



Original Color

22.7953, 0.3610, 0.1961



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.5354, 0.3322, 0.2534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7953, 0.3610, 0.1961 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, 58, 191)` looks like.

```
.text, #text, p{  
    color:rgb(225, 58, 191)  
}
```

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, 58, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 58, 191) }
```

Border

The CSS property to change the border of an element to Yxy 22.7953, 0.3610, 0.1961 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, 58, 191) }
```

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

```
.border{ border-color:rgb(225, 58, 191) }
```

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

Here you see how a box with a 4 pixel rgb(225, 58, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 58, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 58, 191);  
box-shadow:4px 4px 4px 4px rgb(225, 58,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7953, 0.3610, 0.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 58, 191) }
```

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

```
.background{ background-color: rgb(225, 58,  
191) }
```

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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