

Converting Colors

$Y_{xy}(22.5933, 0.3720, 0.1863)$

Have a look what the booklet for
Yxy(22.5933, 0.3720, 0.1863)
contains.

Yxy(22.5979, 0.3718, 0.1863)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5979, 0.3718, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	ED18C3
RGB	237, 24, 195
RGB Percent	93%, 9%, 76%
CMY	0.0706, 0.9056, 0.2354
CMYK	0.00, 0.90, 0.18, 0.07
HSL	312°, 86%, 51%
HSV	312°, 90%, 93%
XYZ	45.0988, 22.5979, 53.6018
YIQ	107.1810, 72.0570, 98.3370

Conversions

Conversions Part 2

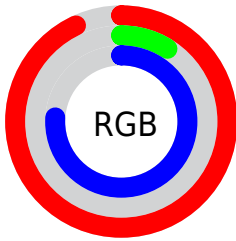
Format	Color
R _Y B	237, 24, 195
Decimal	15538371
CIE Lab	54.66, 85.43, -36.10
CIE LCh	55, 92.746, 337.093
Yxy	22.5979, 0.3718, 0.1863
Android (android.graphics.Color)	4293728451 (0xFFED18C3)
YUV	107.1810, 43.2948, 113.8513
Hunter-Lab	47.5372, 86.1534, -33.5778

Details

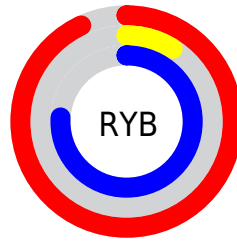
The Yxy color **22.5979, 0.3718, 0.1863** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **61.1552, 0.2927, 0.5657**, and the grayscale version is **14.6292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3914, 0.3219, 0.1935**, and **11.1532, 0.3784, 0.1858** is the 20% darker color. If you saturate the color by 10%, you get **21.7427, 0.3791, 0.1862**, and if you desaturate by 10%, it is **24.2529, 0.3642, 0.1905**.

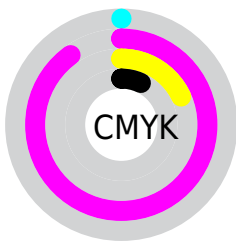
Distribution



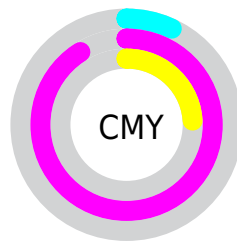
- Red (93%)
- Green (9%)
- Blue (76%)



- Red (93%)
- Yellow (9%)
- Blue (76%)



- Cyan (0%)
- Magenta (90%)
- Yellow (18%)
- Black (7%)





- Cyan (7%)
- Magenta (91%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5979, 0.3718, 0.1863 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 22.5979, 0.3718, 0.1863 by changing the saturation by 10% instead.


 22.5979, 0.3718,
0.1863


 22.5979, 0.3718,
0.1863


265.6529, 0.3437,
0.2551


 14.2969, 0.3782,
0.1704


 47.7322, 0.3621,
0.2105

 8.3274, 0.3859,
0.1507


 65.3343, 0.3583,
0.2198


 4.3052, 0.3953,
0.1263


 86.8056, 0.3550,
0.2278

 1.8457, 0.4067,
0.0958

 112.5304, 0.3521,
0.2348

 0.5154, 0.4218,
0.0538

 142.8931, 0.3496,
0.2408

 0.0000, 0.4393,
0.0000


178.2782, 0.3475,


 0.0000, 0.4113,


0.2461

0.0000


219.0700, 0.3455,
0.2509


 0.0000, 0.0000,
0.0000

 22.5979, 0.3718,
0.1863


 22.5979, 0.3718,
0.1863

 21.7427, 0.3791,
0.1862


 24.2529, 0.3642,
0.1905

 21.7315, 0.3792,
0.1862

 26.9457, 0.3564,
0.1995

 30.8224, 0.3486,
0.2126

 36.0049, 0.3411,
0.2291

 42.6000, 0.3341,
0.2480

■ 50.7031, 0.3277,
0.2683

■ 60.4018, 0.3220,
0.2890

■ 71.7765, 0.3170,
0.3095

■ 84.9025, 0.3127,
0.3293

Harmonies

Analogous

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



22.5979, 0.2221, 0.1409



22.5979, 0.3718, 0.1863



22.5979, 0.5370, 0.2559

Triad

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



22.5979, 0.3718, 0.1863



22.5979, 0.4570, 0.5394



22.5979, 0.0860, 0.2085

Complementary

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



22.5979, 0.3718, 0.1863



61.1552, 0.2927, 0.5657

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.



22.5979, 0.1175, 0.3638



22.5979, 0.3718, 0.1863



22.5979, 0.3266, 0.6317

Square

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



22.5979, 0.3718, 0.1863



22.5979, 0.5642, 0.4242



22.5979, 0.2042, 0.5769



22.5979, 0.0928, 0.1426

Rectangle

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



22.5979, 0.3718, 0.1863



22.5979, 0.5996, 0.3072



22.5979, 0.2042, 0.5769



22.5979, 0.0914, 0.2483

Sweetspot

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



22.5991, 0.3718, 0.1863



62.8167, 0.3261, 0.2739



7.8306, 0.1664, 0.0737



12.6611, 0.3281, 0.2668



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.



22.5991, 0.3718, 0.1863



25.6524, 0.3794, 0.1864



19.4238, 0.5434, 0.2840



15.2598, 0.3168, 0.3103



11.8841, 0.3780, 0.1856



0.9462, 0.3686, 0.1804

Inverse Universe

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



22.5991, 0.3718, 0.1863



25.6524, 0.3794, 0.1864



63.6468, 0.2531, 0.4254



15.2598, 0.3168, 0.3103



11.8841, 0.3780, 0.1856



0.9462, 0.3686, 0.1804

Previews

White Background



This preview shows how the Yxy color 22.5979, 0.3718, 0.1863 looks on a white background.

Color Contrast Check

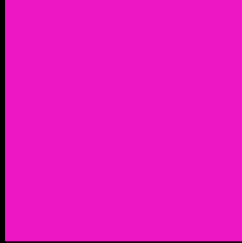
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5979, 0.3718, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

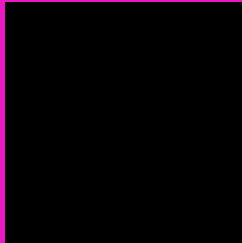
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.5979, 0.3718, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 22.5979, 0.3718, 0.1863.



This preview shows how white text looks on a background with the Yxy color 22.5979, 0.3718, 0.1863.

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

22.5979, 0.3718, 0.1863

Protanopia

23.2110, 0.1838, 0.1567

Deuteranopia

22.9616, 0.2485, 0.2432



Tritanopia

22.5630, 0.5192, 0.3247

Trichromacy



Original Color

22.5979, 0.3718, 0.1863



Protanomaly

17.2605, 0.2142, 0.1408



Deuteranomaly

18.4410, 0.2855, 0.1949



Tritanomaly

21.5721, 0.4714, 0.2665

Monochromacy



Original Color

22.5979, 0.3718, 0.1863



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

14.0419, 0.3399, 0.2312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5979, 0.3718, 0.1863 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(237, 24, 195)` looks like.

```
.text, #text, p{  
    color:rgb(237, 24, 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(237, 24, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 24, 195) }
```

Border

The CSS property to change the border of an element to Yxy 22.5979, 0.3718, 0.1863 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(237, 24, 195) }
```

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

```
.border{ border-color:rgb(237, 24, 195) }
```

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

Here you see how a box with a 4 pixel rgb(237, 24, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 24, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 24, 195);  
box-shadow:4px 4px 4px 4px rgb(237, 24,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5979, 0.3718, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 24, 195) }
```

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

```
.background{ background-color: rgb(237, 24,  
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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