

Converting Colors

$Y_{xy}(24.8777, 0.3187, 0.1710)$

Have a look what the booklet for
Yxy(24.8777, 0.3187, 0.1710)
contains.

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Color

Yxy(24.9438, 0.3190, 0.1711)

Conversions

Conversions Part 1

Format	Color
Hex	E13EE2
RGB	225, 62, 226
RGB Percent	88%, 24%, 89%
CMY	0.1176, 0.7569, 0.1136
CMYK	0.00, 0.73, 0.00, 0.11
HSL	300°, 74%, 56%
HSV	300°, 73%, 89%
XYZ	46.5054, 24.9438, 74.3357
YIQ	129.4330, 44.5040, 85.5600

Conversions

Conversions Part 2

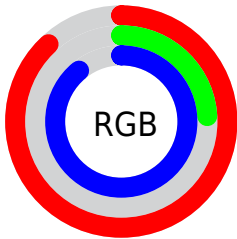
Format	Color
R _Y B	225, 62, 226
Decimal	14761698
CIE _{Lab}	57.02, 79.25, -50.21
CIE _{LCh}	57, 93.818, 327.644
Yxy	24.9438, 0.3190, 0.1711
Android (android.graphics.Color)	4292951778 (0xFFE13EE2)
YUV	129.4330, 47.6075, 83.8123
Hunter-Lab	49.9438, 78.8096, -53.2859

Details

The Yxy color **24.9438, 0.3190, 0.1711** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **55.8135, 0.3022, 0.5599**, and the grayscale version is **21.9298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1472, 0.3185, 0.2063**, and **11.0093, 0.3151, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **22.9548, 0.3193, 0.1612**, and if you desaturate by 10%, it is **27.9565, 0.3185, 0.1853**.

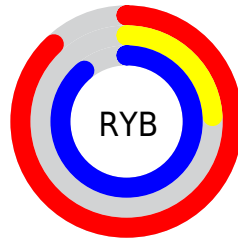
Distribution



Red (88%)

Green (24%)

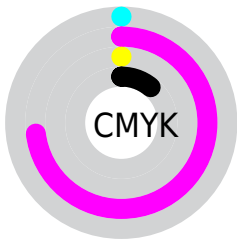
Blue (89%)



Red (88%)

Yellow (24%)

Blue (89%)

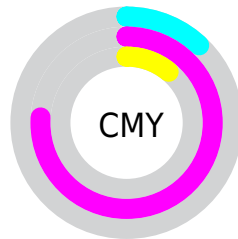


Cyan (0%)

Magenta (73%)

Yellow (0%)

Black (11%)



Cyan (12%)


Magenta (76%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9438, 0.3190, 0.1711 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 24.9438, 0.3190, 0.1711 by changing the saturation by 10% instead.


 24.9438, 0.3190,
0.1711


 24.9438, 0.3190,
0.1711


277.5579, 0.3200,
0.2444


 16.0352, 0.3175,
0.1550


 51.5660, 0.3203,
0.1962

 9.5491, 0.3150,
0.1357


 70.0485, 0.3205,
0.2060


 5.1010, 0.3106,
0.1124


 92.4909, 0.3206,
0.2146

 2.3067, 0.3028,
0.0844

 119.2778, 0.3206,
0.2221

 0.7772, 0.2884,
0.0519

 150.7936, 0.3205,
0.2286

 0.0000, 0.2654,
0.0000

187.4226, 0.3203,


 0.0000, 0.1972,


0.2345


0.0000


229.5493, 0.3202,
0.2397


 0.0000, 0.0000,
0.0000


 24.9438, 0.3190,
0.1711


 24.9438, 0.3190,
0.1711


 22.9548, 0.3193,
0.1612

 27.9565, 0.3185,
0.1853


 21.8498, 0.3194,
0.1554

 32.1023, 0.3179,
0.2035

 21.4388, 0.3193,
0.1533


 37.4805, 0.3170,
0.2247


 44.1784, 0.3161,
0.2482

 52.2758, 0.3151,
0.2730

 61.8457, 0.3140,
0.2981

 72.9564, 0.3130,
0.3228

 85.6717, 0.3120,
0.3465

 93.2259, 0.3115,
0.3587

Harmonies

Analogous

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



24.9438, 0.1899, 0.1354



24.9438, 0.3190, 0.1711



24.9438, 0.4866, 0.2342

Triad

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



24.9438, 0.3190, 0.1711



24.9438, 0.4933, 0.5003



24.9438, 0.0940, 0.2480

Complementary

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



24.9438, 0.3190, 0.1711



55.8135, 0.3022, 0.5599

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.



24.9438, 0.1418, 0.4309



24.9438, 0.3190, 0.1711



24.9438, 0.3684, 0.6057

Square

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



24.9438, 0.3190, 0.1711



24.9438, 0.5840, 0.3941



24.9438, 0.2435, 0.6117



24.9438, 0.0899, 0.1594

Rectangle

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



24.9438, 0.3190, 0.1711



24.9438, 0.5721, 0.2843



24.9438, 0.2435, 0.6117



24.9438, 0.1040, 0.2981

Sweetspot

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



24.9449, 0.3190, 0.1711



69.2145, 0.3150, 0.2741



10.2652, 0.1744, 0.1018



14.1477, 0.3153, 0.2672



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.



24.9449, 0.3190, 0.1711



29.3143, 0.3194, 0.1578



21.7160, 0.4273, 0.2420



13.9311, 0.3137, 0.3059



12.2294, 0.3194, 0.1533



0.8491, 0.3196, 0.1534

Inverse Universe

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



19.9765, 0.5597, 0.3289



22.4747, 0.6168, 0.3294



57.3637, 0.2701, 0.4554



13.7019, 0.3291, 0.3289



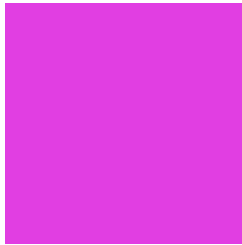
9.2267, 0.6394, 0.3296



0.6400, 0.6373, 0.3284

Previews

White Background



This preview shows how the Yxy color 24.9438, 0.3190, 0.1711 looks on a white background.

Color Contrast Check

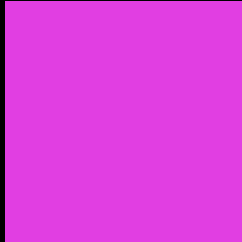
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9438, 0.3190, 0.1711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

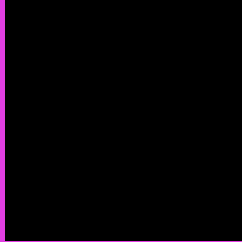
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9438, 0.3190, 0.1711

Background



This preview shows how black text looks on a background with the Yxy color 24.9438, 0.3190, 0.1711.



This preview shows how white text looks on a background with the Yxy color 24.9438, 0.3190, 0.1711.

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

24.9438, 0.3190, 0.1711

Protanopia

25.3728, 0.1909, 0.1664

Deuteranopia

25.2844, 0.2186, 0.2123



Tritanopia

24.8233, 0.4501, 0.3209

Trichromacy



Original Color

24.9438, 0.3190, 0.1711



Protanomaly

21.6362, 0.2173, 0.1542



Deuteranomaly

22.1060, 0.2443, 0.1819



Tritanomaly

23.9982, 0.4013, 0.2550

Monochromacy



Original Color

24.9438, 0.3190, 0.1711



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

20.6760, 0.3168, 0.2420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9438, 0.3190, 0.1711 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, 62, 226)` looks like.

```
.text, #text, p{  
    color:rgb(225, 62, 226)  
}
```

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, 62, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 62, 226) }
```

Border

The CSS property to change the border of an element to Yxy 24.9438, 0.3190, 0.1711 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, 62, 226) }
```

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

```
.border{ border-color:rgb(225, 62, 226) }
```

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

Here you see how a box with a 4 pixel rgb(225, 62, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 62, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 62, 226);  
box-shadow:4px 4px 4px 4px rgb(225, 62,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9438, 0.3190, 0.1711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 62, 226) }
```

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

```
.background{ background-color: rgb(225, 62,  
226) }
```

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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