

Converting Colors

$Y_{xy}(23.6933, 0.3032, 0.1494)$

Have a look what the booklet for
Yxy(23.6933, 0.3032, 0.1494)
contains.

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Color

Yxy(23.6728, 0.3031, 0.1493)

Conversions

Conversions Part 1

Format	Color
Hex	E220F3
RGB	226, 32, 243
RGB Percent	89%, 13%, 95%
CMY	0.1137, 0.8745, 0.0471
CMYK	0.07, 0.87, 0.00, 0.05
HSL	295°, 90%, 54%
HSV	295°, 87%, 95%
XYZ	48.0591, 23.6728, 86.8267
YIQ	114.0600, 47.8930, 106.7490

Conversions

Conversions Part 2

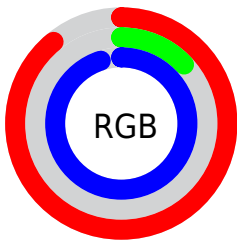
Format	Color
R _Y B	226, 32, 243
Decimal	14819571
CIE Lab	55.76, 89.03, -61.74
CIE LCh	56, 108.345, 325.259
Yxy	23.6728, 0.3031, 0.1493
Android (android.graphics.Color)	4293009651 (0xFFE220F3)
YUV	114.0600, 63.5674, 98.1714
Hunter-Lab	48.6547, 91.1692, -71.7476

Details

The Yxy color **23.6728, 0.3031, 0.1493** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **64.8556, 0.3037, 0.5867**, and the grayscale version is **16.6418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **11.6522, 0.2940, 0.1393** is the 20% darker color. If you saturate the color by 10%, you get **22.4935, 0.3011, 0.1440**, and if you desaturate by 10%, it is **25.8163, 0.3050, 0.1588**.

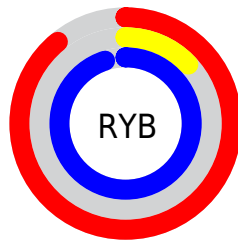
Distribution



Red (89%)

Green (13%)

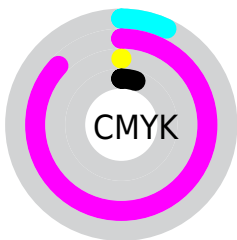
Blue (95%)



Red (89%)

Yellow (13%)

Blue (95%)

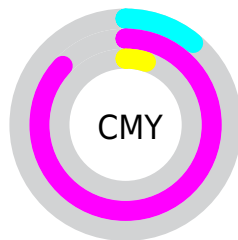


Cyan (7%)

Magenta (87%)

Yellow (0%)

Black (5%)



Cyan (11%)


Magenta (87%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6728, 0.3031, 0.1493 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 23.6728, 0.3031, 0.1493 by changing the saturation by 10% instead.


 23.6728, 0.3031,
0.1493

 23.6728, 0.3031,
0.1493


271.1621, 0.3136,
0.2300


 15.0911, 0.2991,
0.1324


 49.4957, 0.3080,
0.1763

 8.8833, 0.2932,
0.1127

 67.5057, 0.3096,
0.1871

 4.6652, 0.2846,
0.0897


 89.4273, 0.3107,
0.1966

 2.0522, 0.2711,
0.0635

 115.6448, 0.3116,
0.2049

 0.6375, 0.2499,
0.0343

 146.5426, 0.3123,
0.2123

 0.0000, 0.2164,
0.0000

182.5052, 0.3128,

 0.0000, 0.1543,

0.2188

0.0000

223.9169, 0.3132,
0.2247

■ 0.0000, 0.0000,
0.0000

■ 23.6728, 0.3031,
0.1493

■ 23.6728, 0.3031,
0.1493

■ 22.4935, 0.3011,
0.1440

■ 25.8163, 0.3050,
0.1588

■ 22.2275, 0.3004,
0.1429

■ 29.1060, 0.3068,
0.1727

■ 33.6883, 0.3084,
0.1908

■ 39.6875, 0.3098,
0.2122

■ 47.2131, 0.3108,
0.2361

■ 56.3638, 0.3117,
0.2613

■ 67.2301, 0.3122,
0.2869

■ 79.8957, 0.3126,
0.3122

■ 94.4390, 0.3128,
0.3366

Harmonies

Analogous

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



23.6728, 0.1657, 0.1148



23.6728, 0.3031, 0.1493



23.6728, 0.4990, 0.2138

Triad

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



23.6728, 0.3031, 0.1493



23.6728, 0.5087, 0.4913



23.6728, 0.0735, 0.2424

Complementary

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



23.6728, 0.3031, 0.1493



64.8556, 0.3037, 0.5867

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.



23.6728, 0.1230, 0.4692



23.6728, 0.3031, 0.1493



23.6728, 0.3690, 0.6310

Square

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



23.6728, 0.3031, 0.1493



23.6728, 0.6164, 0.3757



23.6728, 0.2319, 0.6756



23.6728, 0.0694, 0.1424

Rectangle

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



23.6728, 0.3031, 0.1493



23.6728, 0.6034, 0.2651



23.6728, 0.2319, 0.6756



23.6728, 0.0835, 0.3026

Sweetspot

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



23.6738, 0.3031, 0.1493



63.7479, 0.3117, 0.2632



9.0235, 0.1591, 0.0802



12.8295, 0.3115, 0.2544



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.



23.6738, 0.3031, 0.1493



24.7920, 0.3004, 0.1428



22.4561, 0.4386, 0.2269



16.6965, 0.3125, 0.3056



12.2278, 0.3008, 0.1430



1.0944, 0.3034, 0.1445

Inverse Universe

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



20.3085, 0.6021, 0.3215



21.3124, 0.6335, 0.3264



65.7597, 0.2765, 0.5046



16.5042, 0.3281, 0.3271



10.4924, 0.6314, 0.3252



0.9295, 0.6115, 0.3142

Previews

White Background



This preview shows how the Yxy color 23.6728, 0.3031, 0.1493 looks on a white background.

Color Contrast Check

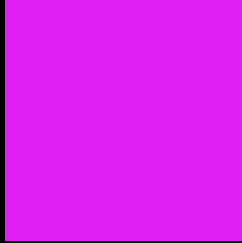
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6728, 0.3031, 0.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

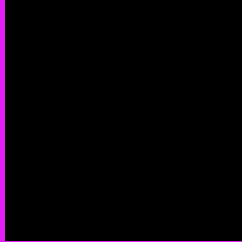
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6728, 0.3031, 0.1493

Background



This preview shows how black text looks on a background with the Yxy color 23.6728, 0.3031, 0.1493.



This preview shows how white text looks on a background with the Yxy color 23.6728, 0.3031, 0.1493.

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

23.6728, 0.3031, 0.1493

Protanopia

24.1774, 0.1865, 0.1613

Deuteranopia

24.0419, 0.1967, 0.1903



Tritanopia

23.6452, 0.4577, 0.3222

Trichromacy



Original Color

23.6728, 0.3031, 0.1493



Protanomaly

19.0354, 0.2067, 0.1343



Deuteranomaly

18.8135, 0.2161, 0.1492



Tritanomaly

21.9976, 0.3992, 0.2389

Monochromacy



Original Color

23.6728, 0.3031, 0.1493



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8824, 0.3101, 0.2130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6728, 0.3031, 0.1493 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(226, 32, 243)` looks like.

```
.text, #text, p{  
    color:rgb(226, 32, 243)  
}
```

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(226, 32, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 32, 243) }
```

Border

The CSS property to change the border of an element to Yxy 23.6728, 0.3031, 0.1493 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(226, 32, 243) }
```

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

```
.border{ border-color:rgb(226, 32, 243) }
```

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

Here you see how a box with a 4 pixel rgb(226, 32, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 32, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 32, 243);  
box-shadow:4px 4px 4px 4px rgb(226, 32,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6728, 0.3031, 0.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 32, 243) }
```

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

```
.background{ background-color: rgb(226, 32,  
243) }
```

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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