

Converting Colors

$Y_{xy}(23.1536, 0.3208, 0.1573)$

Have a look what the booklet for
Yxy(23.1536, 0.3208, 0.1573)
contains.

Yxy(23.1490, 0.3208, 0.1572)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1490, 0.3208, 0.1572)

Conversions

Conversions Part 1

Format	Color
Hex	E617E6
RGB	230, 23, 230
RGB Percent	90%, 9%, 90%
CMY	0.0978, 0.9109, 0.0979
CMYK	0.00, 0.90, 0.00, 0.10
HSL	300°, 82%, 50%
HSV	300°, 90%, 90%
XYZ	47.2405, 23.1490, 76.8688
YIQ	108.4910, 56.9250, 108.2610

Conversions

Conversions Part 2

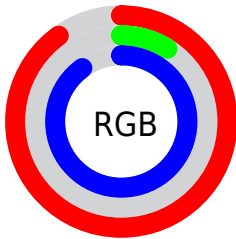
Format	Color
R _Y B	230, 23, 230
Decimal	15079398
CIE Lab	55.23, 89.05, -55.28
CIE LCh	55, 104.818, 328.169
Yxy	23.1490, 0.3208, 0.1572
Android (android.graphics.Color)	4293269478 (0xFFE617E6)
YUV	108.4910, 59.9039, 106.5634
Hunter-Lab	48.1134, 91.0629, -61.0458

Details

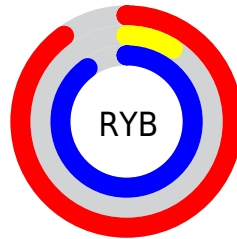
The Yxy color **23.1490, 0.3208, 0.1572** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **56.8665, 0.3003, 0.5928**, and the grayscale version is **14.9166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5832, 0.3192, 0.1914**, and **11.6020, 0.3152, 0.1510** is the 20% darker color. If you saturate the color by 10%, you get **22.5480, 0.3209, 0.1542**, and if you desaturate by 10%, it is **24.4814, 0.3205, 0.1638**.

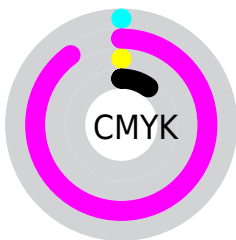
Distribution



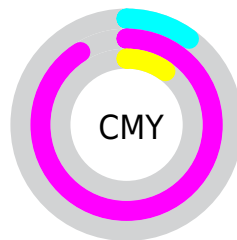
- Red (90%)
- Green (9%)
- Blue (90%)



- Red (90%)
- Yellow (9%)
- Blue (90%)



- Cyan (0%)
- Magenta (90%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (91%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1490, 0.3208, 0.1572 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 23.1490, 0.3208, 0.1572 by changing the saturation by 10% instead.


 23.1490, 0.3208,
0.1572


 23.1490, 0.3208,
0.1572


268.4894, 0.3218,
0.2358


 14.7036, 0.3191,
0.1403


 48.6379, 0.3223,
0.1838


 8.6116, 0.3162,
0.1204


 66.4501, 0.3225,
0.1944


 4.4887, 0.3112,
0.0968


 88.1534, 0.3226,
0.2036

 1.9505, 0.3023,
0.0693

 114.1321, 0.3225,
0.2116

 0.5785, 0.2867,
0.0371

 144.7707, 0.3224,
0.2187

 0.0000, 0.2586,
0.0000

180.4535, 0.3222,

 0.0000, 0.1940,

0.2251

0.0000

221.5649, 0.3220,
0.2307

■ 0.0000, 0.0000,
0.0000

■ 23.1490, 0.3208,
0.1572

■ 23.1490, 0.3208,
0.1572

■ 22.5480, 0.3209,
0.1542

■ 24.4814, 0.3205,
0.1638

■ 26.7724, 0.3200,
0.1746

■ 30.1585, 0.3193,
0.1897

■ 34.7531, 0.3184,
0.2086

■ 40.6557, 0.3174,
0.2304

■ 47.9554, 0.3162,
0.2543

■ 56.7335, 0.3151,
0.2791

■ 67.0652, 0.3139,
0.3042

■ 79.0203, 0.3127,
0.3287

Harmonies

Analogous

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



23.1490, 0.1783, 0.1198



23.1490, 0.3208, 0.1572



23.1490, 0.5126, 0.2235

Triad

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



23.1490, 0.3208, 0.1572



23.1490, 0.4954, 0.5046



23.1490, 0.0750, 0.2309

Complementary

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



23.1490, 0.3208, 0.1572



56.8665, 0.3003, 0.5928

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.



23.1490, 0.1195, 0.4398



23.1490, 0.3208, 0.1572



23.1490, 0.3574, 0.6372

Square

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



23.1490, 0.3208, 0.1572



23.1490, 0.6053, 0.3875



23.1490, 0.2236, 0.6574



23.1490, 0.0736, 0.1406

Rectangle

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



23.1490, 0.3208, 0.1572



23.1490, 0.6069, 0.2749



23.1490, 0.2236, 0.6574



23.1490, 0.0837, 0.2854

Sweetspot

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



23.1501, 0.3208, 0.1572



63.6606, 0.3159, 0.2616



6.4974, 0.1543, 0.0671



12.8637, 0.3163, 0.2531



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.



23.1501, 0.3208, 0.1572



28.4783, 0.3209, 0.1542



18.9513, 0.4754, 0.2452



14.6152, 0.3138, 0.3059



12.7580, 0.3209, 0.1542



0.9428, 0.3209, 0.1542

Inverse Universe

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



23.1501, 0.3208, 0.1572



28.4783, 0.3209, 0.1542



58.3221, 0.2700, 0.4852



14.6152, 0.3138, 0.3059



12.7580, 0.3209, 0.1542



0.9428, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 23.1490, 0.3208, 0.1572 looks on a white background.

Color Contrast Check

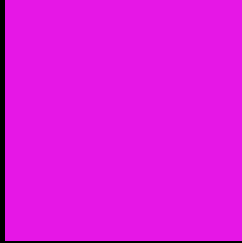
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1490, 0.3208, 0.1572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

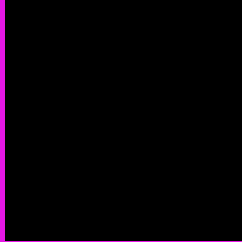
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1490, 0.3208, 0.1572

Background



This preview shows how black text looks on a background with the Yxy color 23.1490, 0.3208, 0.1572.



This preview shows how white text looks on a background with the Yxy color 23.1490, 0.3208, 0.1572.

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

23.1490, 0.3208, 0.1572

Protanopia

23.8201, 0.1853, 0.1596

Deuteranopia

23.4823, 0.2086, 0.2026



Tritanopia

23.1351, 0.4791, 0.3227

Trichromacy



Original Color

23.1490, 0.3208, 0.1572



Protanomaly

18.0311, 0.2081, 0.1332



Deuteranomaly

18.2001, 0.2331, 0.1574



Tritanomaly

21.4618, 0.4213, 0.2443

Monochromacy



Original Color

23.1490, 0.3208, 0.1572



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.2502, 0.3182, 0.2131

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1490, 0.3208, 0.1572 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(230, 23, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 23, 230)  
}
```

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(230, 23, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 23, 230) }
```

Border

The CSS property to change the border of an element to Yxy 23.1490, 0.3208, 0.1572 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(230, 23, 230) }
```

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

```
.border{ border-color:rgb(230, 23, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 23, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 23, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 23, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 23,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1490, 0.3208, 0.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 23, 230) }
```

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

```
.background{ background-color: rgb(230, 23,  
230) }
```

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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