

Converting Colors

$Y_{xy}(22.9795, 0.5776, 0.3082)$

Have a look what the booklet for
Yxy(22.9795, 0.5776, 0.3082)
contains.

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Color

Yxy(23.0028, 0.5778, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	FF2449
RGB	255, 36, 73
RGB Percent	100%, 14%, 29%
CMY	0.0001, 0.8585, 0.7139
CMYK	0.00, 0.86, 0.71, 0.00
HSL	350°, 100%, 57%
HSV	350°, 86%, 100%
XYZ	43.0688, 23.0028, 8.4677
YIQ	105.6990, 118.6470, 57.9350

Conversions

Conversions Part 2

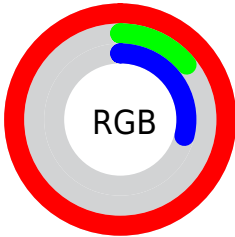
Format	Color
R_{YB}	255, 36, 73
Decimal	16720969
CIE _{Lab}	55.08, 77.68, 37.17
CIE _{LCh}	55, 86.120, 25.573
Yxy	23.0028, 0.5778, 0.3086
Android (android.graphics.Color)	4294911049 (0xFFFF2449)
YUV	105.6990, -16.1206, 130.9370
Hunter-Lab	47.9612, 76.3592, 23.1051

Details

The Yxy color **23.0028, 0.5778, 0.3086** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **76.9539, 0.2400, 0.3758**, and the grayscale version is **14.3575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3903, 0.4740, 0.3158**, and **10.9126, 0.6178, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **21.7328, 0.6090, 0.3154**, and if you desaturate by 10%, it is **25.4677, 0.5378, 0.3046**.

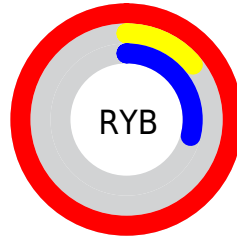
Distribution



Red (100%)

Green (14%)

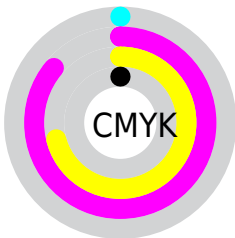
Blue (29%)



Red (100%)

Yellow (14%)

Blue (29%)

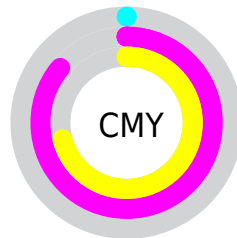


Cyan (0%)

Magenta (86%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (86%)

Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0028, 0.5778, 0.3086 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 23.0028, 0.5778, 0.3086 by changing the saturation by 10% instead.


 23.0028, 0.5778,
0.3086


 23.0028, 0.5778,
0.3086


267.7394, 0.4335,
0.3318


 14.5956, 0.6146,
0.2977


 48.3979, 0.5240,
0.3207


 8.5360, 0.6604,
0.2806


 66.1546, 0.5040,
0.3241


 4.4398, 0.7210,
0.2547

 87.7966, 0.4873,
0.3266

 1.9225, 0.7894,
0.2106

 113.7082, 0.4732,
0.3283

 0.5619, 0.8663,
0.1337

 144.2739, 0.4611,
0.3296

 0.0000, 1.0000,
0.0000

179.8781, 0.4506,

 0.0000, 0.0000,

0.3306

0.0000

220.9051, 0.4415,
0.3313

■ 23.0028, 0.5778,
0.3086

■ 23.0028, 0.5778,
0.3086

■ 21.7328, 0.6090,
0.3154

■ 25.4677, 0.5378,
0.3046

■ 21.4314, 0.6189,
0.3183

■ 29.3320, 0.4946,
0.3037

■ 34.7662, 0.4531,
0.3054

■ 41.9154, 0.4161,
0.3087

■ 50.9081, 0.3847,
0.3130

61.8602, 0.3589,
0.3176

74.8784, 0.3379,
0.3222

90.0616, 0.3210,
0.3266

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



23.0028, 0.4671, 0.2342



23.0028, 0.5778, 0.3086



23.0028, 0.5778, 0.3906

Triad

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



23.0028, 0.5778, 0.3086



23.0028, 0.2581, 0.5991



23.0028, 0.1228, 0.1380

Complementary

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



23.0028, 0.5778, 0.3086



76.9539, 0.2400, 0.3758

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.



23.0028, 0.0965, 0.1707



23.0028, 0.5778, 0.3086



23.0028, 0.1557, 0.4395

Square

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



23.0028, 0.5778, 0.3086



23.0028, 0.3797, 0.5889



23.0028, 0.1039, 0.2627



23.0028, 0.1890, 0.1410

Rectangle

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



23.0028, 0.5778, 0.3086



23.0028, 0.5294, 0.4546



23.0028, 0.1039, 0.2627



23.0028, 0.1103, 0.1442

Sweetspot

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



23.0042, 0.5778, 0.3086



61.6904, 0.3592, 0.3176



22.9102, 0.2809, 0.1379



12.3455, 0.3676, 0.3159



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.



23.0042, 0.5778, 0.3086



21.4342, 0.6189, 0.3183



31.5695, 0.5585, 0.3780



18.0370, 0.3268, 0.3250



11.2143, 0.6157, 0.3166



1.1052, 0.5876, 0.3011

Inverse Universe

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



23.0042, 0.5778, 0.3086



21.4342, 0.6189, 0.3183



42.5720, 0.2018, 0.2369



18.0370, 0.3268, 0.3250



11.2143, 0.6157, 0.3166



1.1052, 0.5876, 0.3011

Previews

White Background



This preview shows how the Yxy color 23.0028, 0.5778, 0.3086 looks on a white background.

Color Contrast Check

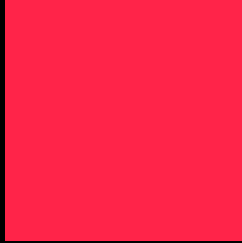
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0028, 0.5778, 0.3086 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 23.0028, 0.5778, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 23.0028, 0.5778, 0.3086.



This preview shows how white text looks on a background with the Yxy color 23.0028, 0.5778, 0.3086.

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

23.0028, 0.5778, 0.3086

Protanopia

23.1852, 0.3533, 0.3760

Deuteranopia

23.1511, 0.4340, 0.4255



Tritanopia

22.9658, 0.6064, 0.3303

Trichromacy



Original Color

23.0028, 0.5778, 0.3086

Protanomaly

19.2848, 0.4438, 0.3350

Deuteranomaly

20.0807, 0.5037, 0.3626

Tritanomaly

22.8455, 0.5982, 0.3233

Monochromacy



Original Color

23.0028, 0.5778, 0.3086

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.1666, 0.4237, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0028, 0.5778, 0.3086 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(255, 36, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 73)  
}
```

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(255, 36, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 73) }
```

Border

The CSS property to change the border of an element to Yxy 23.0028, 0.5778, 0.3086 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(255, 36, 73) }
```

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

```
.border{ border-color:rgb(255, 36, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0028, 0.5778, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 73) }
```

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

```
.background{ background-color: rgb(255, 36,  
73) }
```

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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