

Converting Colors

$Yxy(23.1673, 0.5674, 0.3032)$

Have a look what the booklet for
Yxy(23.1673, 0.5674, 0.3032)
contains.

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Color

Yxy(23.1772, 0.5669, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	FF2551
RGB	255, 37, 81
RGB Percent	100%, 15%, 32%
CMY	0.0000, 0.8550, 0.6823
CMYK	0.00, 0.86, 0.68, 0.00
HSL	348°, 100%, 57%
HSV	348°, 86%, 100%
XYZ	43.3922, 23.1772, 9.9735
YIQ	107.1980, 115.8040, 59.9000

Conversions

Conversions Part 2

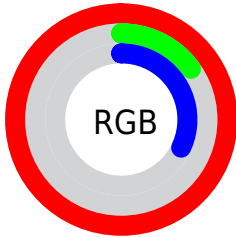
Format	Color
R _Y B	255, 37, 81
Decimal	16721233
CIE Lab	55.25, 77.87, 32.70
CIE LCh	55, 84.455, 22.777
Yxy	23.1772, 0.5669, 0.3028
Android (android.graphics.Color)	4294911313 (0xFFFF2551)
YUV	107.1980, -12.9156, 129.6224
Hunter-Lab	48.1427, 76.6367, 21.4170

Details

The Yxy color **23.1772, 0.5669, 0.3028** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **76.6135, 0.2429, 0.3855**, and the grayscale version is **14.7672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8090, 0.4633, 0.3087**, and **11.0807, 0.6093, 0.3130** is the 20% darker color. If you saturate the color by 10%, you get **21.8435, 0.5994, 0.3103**, and if you desaturate by 10%, it is **25.7027, 0.5272, 0.2988**.

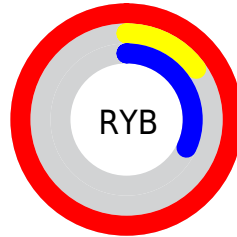
Distribution



Red (100%)

Green (15%)

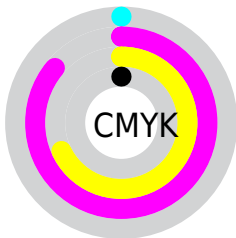
Blue (32%)



Red (100%)

Yellow (15%)

Blue (32%)

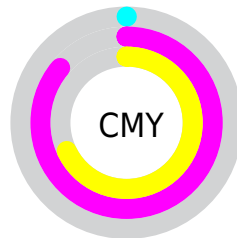


Cyan (0%)

Magenta (86%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.1772, 0.5669, 0.3028 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 23.1772, 0.5669, 0.3028 by changing the saturation by 10% instead.


 23.1772, 0.5669,
0.3028


 23.1772, 0.5669,
0.3028


268.6338, 0.4278,
0.3273


 14.7244, 0.6031,
0.2922


 48.6841, 0.5146,
0.3149


 8.6262, 0.6489,
0.2760

 66.5070, 0.4954,
0.3185


 4.4982, 0.7074,
0.2504

 88.2221, 0.4793,
0.3211

 1.9560, 0.7888,
0.2112

 114.2138, 0.4658,
0.3231

 0.5817, 0.8642,
0.1358

 144.8664, 0.4542,
0.3245

 0.0000, 1.0000,
0.0000

180.5643, 0.4442,

 0.0000, 0.0000,

0.3257

0.0000

221.6920, 0.4355,
0.3266

■ 23.1772, 0.5669,
0.3028

■ 23.1772, 0.5669,
0.3028

■ 21.8435, 0.5994,
0.3103

■ 25.7027, 0.5272,
0.2988


■ 21.5036, 0.6110,
0.3140


■ 29.6317, 0.4854,
0.2983


■ 35.1291, 0.4457,
0.3006

■ 42.3383, 0.4105,
0.3048

■ 51.3865, 0.3808,
0.3100

 62.3886, 0.3562,
0.3155

 75.4503, 0.3363,
0.3210

 90.6696, 0.3202,
0.3263

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.1772, 0.4499, 0.2296



23.1772, 0.5669, 0.3028



23.1772, 0.5780, 0.3833

Triad

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



23.1772, 0.5669, 0.3028



23.1772, 0.2712, 0.5988



23.1772, 0.1215, 0.1421

Complementary

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



23.1772, 0.5669, 0.3028



76.6135, 0.2429, 0.3855

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.



23.1772, 0.0986, 0.1790



23.1772, 0.5669, 0.3028



23.1772, 0.1665, 0.4554

Square

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



23.1772, 0.5669, 0.3028



23.1772, 0.3916, 0.5775



23.1772, 0.1096, 0.2774



23.1772, 0.1830, 0.1421

Rectangle

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



23.1772, 0.5669, 0.3028



23.1772, 0.5352, 0.4452



23.1772, 0.1096, 0.2774



23.1772, 0.1102, 0.1495

Sweetspot

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



23.1752, 0.5669, 0.3028



61.7950, 0.3574, 0.3153



21.9160, 0.2739, 0.1344



12.3696, 0.3654, 0.3133



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.



23.1752, 0.5669, 0.3028



21.5036, 0.6110, 0.3140



30.2682, 0.5649, 0.3716



18.0471, 0.3262, 0.3242



11.2529, 0.6074, 0.3120



1.1104, 0.5776, 0.2955

Inverse Universe

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



23.1752, 0.5669, 0.3028



21.5036, 0.6110, 0.3140



45.8515, 0.2048, 0.2475



18.0471, 0.3262, 0.3242



11.2529, 0.6074, 0.3120



1.1104, 0.5776, 0.2955

Previews

White Background



This preview shows how the Yxy color 23.1772, 0.5669, 0.3028 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 23.1772, 0.5669, 0.3028 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 23.1772, 0.5669, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 23.1772, 0.5669, 0.3028.



This preview shows how white text looks on a background with the Yxy color 23.1772, 0.5669, 0.3028.

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

23.1772, 0.5669, 0.3028

Protanopia

23.2524, 0.3385, 0.3569

Deuteranopia

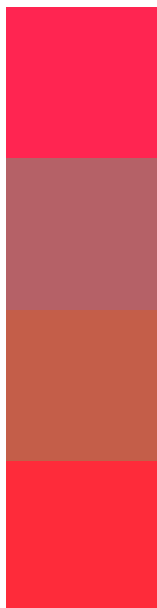
23.1379, 0.4250, 0.4159



Tritanopia

23.2143, 0.6023, 0.3304

Trichromacy



Original Color

23.1772, 0.5669, 0.3028

Protanomaly

19.3524, 0.4272, 0.3207

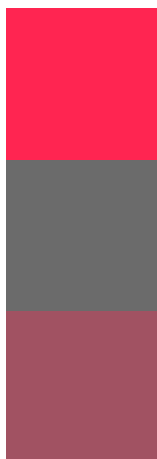
Deuteranomaly

20.2222, 0.4914, 0.3552

Tritanomaly

23.1041, 0.5917, 0.3217

Monochromacy



Original Color

23.1772, 0.5669, 0.3028

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.4935, 0.4175, 0.3037

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1772, 0.5669, 0.3028 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, 37, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 81)  
}
```

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, 37, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 81) }
```

Border

The CSS property to change the border of an element to Yxy 23.1772, 0.5669, 0.3028 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, 37, 81) }
```

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

```
.border{ border-color:rgb(255, 37, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 37, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1772, 0.5669, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 81) }
```

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

```
.background{ background-color: rgb(255, 37,  
81) }
```

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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