

Converting Colors

$Y_{xy}(23.0044, 0.5626, 0.2980)$

Have a look what the booklet for
Yxy(23.0044, 0.5626, 0.2980)
contains.

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Color

Yxy(23.0036, 0.5627, 0.2981)

Conversions

Conversions Part 1

Format	Color
Hex	FF2155
RGB	255, 33, 85
RGB Percent	100%, 13%, 33%
CMY	0.0000, 0.8704, 0.6667
CMYK	0.00, 0.87, 0.67, 0.00
HSL	346°, 100%, 56%
HSV	346°, 87%, 100%
XYZ	43.4221, 23.0036, 10.7417
YIQ	105.3060, 115.6200, 63.2360

Conversions

Conversions Part 2

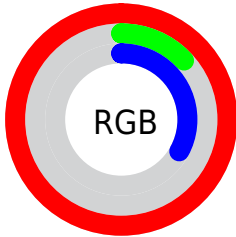
Format	Color
R_{YB}	255, 33, 85
Decimal	16720213
CIE _{Lab}	55.08, 78.73, 30.13
CIE _{LCh}	55, 84.296, 20.944
Yxy	23.0036, 0.5627, 0.2981
Android (android.graphics.Color)	4294910293 (0xFFFF2155)
YUV	105.3060, -10.0109, 131.2816
Hunter-Lab	47.9621, 77.6700, 20.2947

Details

The Yxy color **23.0036, 0.5627, 0.2981** 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 **76.1563, 0.2456, 0.3965**, and the grayscale version is **14.2241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4966, 0.4592, 0.3028**, and **11.1072, 0.6036, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **21.8099, 0.5944, 0.3065**, and if you desaturate by 10%, it is **25.3505, 0.5244, 0.2934**.

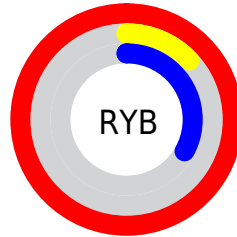
Distribution



Red (100%)

Green (13%)

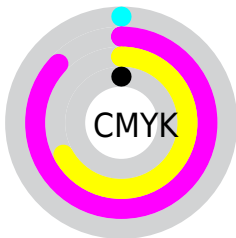
Blue (33%)



Red (100%)

Yellow (13%)

Blue (33%)

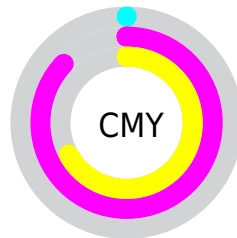


Cyan (0%)

Magenta (87%)

Yellow (67%)

Black (0%)



Cyan (0%)


Magenta (87%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0036, 0.5627, 0.2981 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 23.0036, 0.5627, 0.2981 by changing the saturation by 10% instead.


 23.0036, 0.5627,
0.2981


 23.0036, 0.5627,
0.2981

267.7435, 0.4255,
0.3243

 14.5962, 0.5988,
0.2874


 48.3992, 0.5109,
0.3106


 8.5365, 0.6448,
0.2711

 66.1562, 0.4919,
0.3144


 4.4401, 0.7038,
0.2456

 87.7985, 0.4761,
0.3172

 1.9227, 0.7919,
0.2081

 113.7105, 0.4627,
0.3194

 0.5619, 0.8684,
0.1316

 144.2766, 0.4513,
0.3211

 0.0000, 1.0000,
0.0000

179.8812, 0.4415,

 0.0000, 0.0000,

0.3224

0.0000

220.9087, 0.4330,
0.3235

■ 23.0036, 0.5627,
0.2981

■ 23.0036, 0.5627,
0.2981

■ 21.8099, 0.5944,
0.3065

■ 25.3505, 0.5244,
0.2934

■ 21.5820, 0.6023,
0.3092

■ 29.0631, 0.4840,
0.2927


■ 34.3135, 0.4455,
0.2953

■ 41.2474, 0.4112,
0.3001

■ 49.9934, 0.3820,
0.3060

 60.6674, 0.3578,
0.3124

 73.3757, 0.3381,
0.3188

 88.2168, 0.3221,
0.3249

99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



23.0036, 0.4406, 0.2254



23.0036, 0.5627, 0.2981



23.0036, 0.5804, 0.3780

Triad

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



23.0036, 0.5627, 0.2981



23.0036, 0.2784, 0.6023



23.0036, 0.1191, 0.1431

Complementary

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



23.0036, 0.5627, 0.2981



76.1563, 0.2456, 0.3965

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.



23.0036, 0.0982, 0.1829



23.0036, 0.5627, 0.2981



23.0036, 0.1716, 0.4675

Square

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



23.0036, 0.5627, 0.2981



23.0036, 0.3989, 0.5726



23.0036, 0.1115, 0.2861



23.0036, 0.1778, 0.1412

Rectangle

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



23.0036, 0.5627, 0.2981



23.0036, 0.5403, 0.4392



23.0036, 0.1115, 0.2861



23.0036, 0.1084, 0.1513

Sweetspot

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



23.0050, 0.5627, 0.2981



61.8962, 0.3556, 0.3131



20.5217, 0.2657, 0.1290



12.3931, 0.3633, 0.3108



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.



23.0050, 0.5627, 0.2981



21.5828, 0.6023, 0.3092



28.4365, 0.5772, 0.3644



18.0567, 0.3257, 0.3235



11.2964, 0.5984, 0.3070



1.1159, 0.5674, 0.2899

Inverse Universe

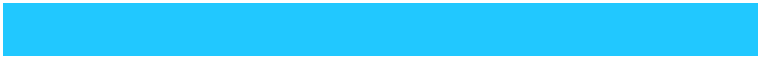
The Inverse Universe completely reimagines the original color for something new.



23.0050, 0.5627, 0.2981



21.5828, 0.6023, 0.3092



48.6249, 0.2067, 0.2562



18.0567, 0.3257, 0.3235



11.2964, 0.5984, 0.3070



1.1159, 0.5674, 0.2899

Previews

White Background



This preview shows how the Yxy color 23.0036, 0.5627, 0.2981 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 23.0036, 0.5627, 0.2981 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 23.0036, 0.5627, 0.2981

Background



This preview shows how black text looks on a background with the Yxy color 23.0036, 0.5627, 0.2981.



This preview shows how white text looks on a background with the Yxy color 23.0036, 0.5627, 0.2981.

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

23.0036, 0.5627, 0.2981

Protanopia

23.2260, 0.3294, 0.3465

Deuteranopia

23.0975, 0.4185, 0.4096



Tritanopia

23.1220, 0.6045, 0.3308

Trichromacy



Original Color

23.0036, 0.5627, 0.2981



Protanomaly

19.1732, 0.4173, 0.3105



Deuteranomaly

19.9401, 0.4865, 0.3468



Tritanomaly

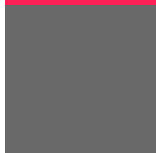
22.9622, 0.5927, 0.3207

Monochromacy



Original Color

23.0036, 0.5627, 0.2981



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.9474, 0.4178, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0036, 0.5627, 0.2981 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, 33, 85)` looks like.

```
.text, #text, p{  
  color:rgb(255, 33, 85)  
}
```

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, 33, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 85) }
```

Border

The CSS property to change the border of an element to Yxy 23.0036, 0.5627, 0.2981 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, 33, 85) }
```

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

```
.border{ border-color:rgb(255, 33, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 33, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0036, 0.5627, 0.2981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 85) }
```

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

```
.background{ background-color: rgb(255, 33,  
85) }
```

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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