

Converting Colors

$Yxy(21.3526, 0.6028, 0.3125)$

Have a look what the booklet for
Yxy(21.3526, 0.6028, 0.3125)
contains.

Yxy(21.2787, 0.6023, 0.3124)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.2787, 0.6023, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	FC0D39
RGB	252, 13, 57
RGB Percent	99%, 5%, 22%
CMY	0.0118, 0.9486, 0.7766
CMYK	0.00, 0.95, 0.77, 0.01
HSL	349°, 98%, 52%
HSV	349°, 95%, 99%
XYZ	41.0248, 21.2787, 5.8101
YIQ	89.4770, 128.3200, 64.3520

Conversions

Conversions Part 2

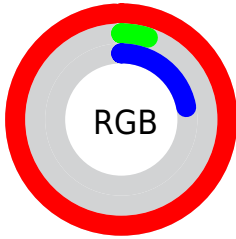
Format	Color
R_{YB}	252, 13, 57
Decimal	16518457
CIE Lab	53.25, 79.36, 44.11
CIE LCh	53, 90.795, 29.063
Yxy	21.2787, 0.6023, 0.3124
Android (android.graphics.Color)	4294708537 (0xFFFC0D39)
YUV	89.4770, -16.0112, 142.5327
Hunter-Lab	46.1288, 78.0241, 24.8224

Details

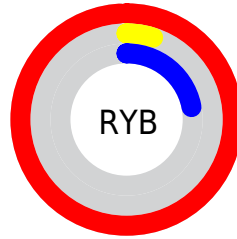
The Yxy color **21.2787, 0.6023, 0.3124** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **74.2648, 0.2412, 0.3862**, and the grayscale version is **10.1308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2036, 0.5011, 0.3240**, and **10.4736, 0.6313, 0.3252** is the 20% darker color. If you saturate the color by 10%, you get **20.8934, 0.6154, 0.3164**, and if you desaturate by 10%, it is **22.6442, 0.5694, 0.3055**.

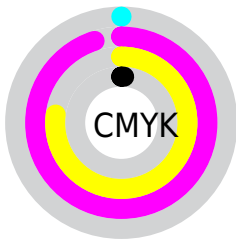
Distribution



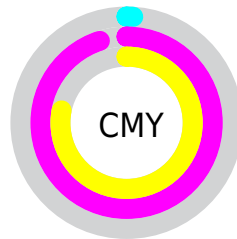
- Red (99%)
- Green (5%)
- Blue (22%)



- Red (99%)
- Yellow (5%)
- Blue (22%)



- Cyan (0%)
- Magenta (95%)
- Yellow (77%)
- Black (1%)




- Cyan (1%)
- Magenta (95%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2787, 0.6023, 0.3124 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 21.2787, 0.6023, 0.3124 by changing the saturation by 10% instead.


 21.2787, 0.6023,
0.3124


 21.2787, 0.6023,
0.3124


258.7559, 0.4453,
0.3374

 13.3279, 0.6408,
0.2994


 45.5509, 0.5446,
0.3264


 7.6547, 0.6874,
0.2789


 62.6411, 0.5228,
0.3302

 3.8748, 0.7508,
0.2492

 83.5465, 0.5046,
0.3327

 1.6038, 0.8044,
0.1956

 108.6515, 0.4890,
0.3345

 0.3601, 0.9003,
0.0997

 138.3406, 0.4757,
0.3357

 0.0000, 1.0000,
0.0000

 172.9981, 0.4642,

 0.0000, 0.0000,

0.3365

0.0000

213.0084, 0.4542,
0.3371

■ 21.2787, 0.6023,
0.3124

■ 21.2787, 0.6023,
0.3124

■ 20.8934, 0.6154,
0.3164

■ 22.6442, 0.5694,
0.3055

■ 25.1906, 0.5291,
0.3018

■ 29.1162, 0.4865,
0.3014

■ 34.5815, 0.4461,
0.3035

■ 41.7250, 0.4105,
0.3074

■ 50.6698, 0.3804,
0.3121

■ 61.5271, 0.3556,
0.3171

■ 74.3993, 0.3355,
0.3221

■ 89.3816, 0.3193,
0.3269

Harmonies

Analogous

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



21.2787, 0.4974, 0.2360



21.2787, 0.6023, 0.3124



21.2787, 0.5843, 0.3975

Triad

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



21.2787, 0.6023, 0.3124



21.2787, 0.2355, 0.6136



21.2787, 0.1189, 0.1270

Complementary

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



21.2787, 0.6023, 0.3124



74.2648, 0.2412, 0.3862

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.



21.2787, 0.0880, 0.1543



21.2787, 0.6023, 0.3124



21.2787, 0.1352, 0.4221

Square

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



21.2787, 0.6023, 0.3124



21.2787, 0.3611, 0.6138



21.2787, 0.0901, 0.2397



21.2787, 0.1926, 0.1341

Rectangle

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



21.2787, 0.6023, 0.3124



21.2787, 0.5272, 0.4687



21.2787, 0.0901, 0.2397



21.2787, 0.1047, 0.1316

Sweetspot

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



21.2801, 0.6023, 0.3124



59.3926, 0.3631, 0.3155



20.1870, 0.2725, 0.1289



11.6890, 0.3738, 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.



21.2801, 0.6023, 0.3124



21.4636, 0.6156, 0.3165



27.1861, 0.5873, 0.3675



17.2772, 0.3265, 0.3247



10.8997, 0.6120, 0.3145



1.0232, 0.5814, 0.2976

Inverse Universe

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



21.2801, 0.6023, 0.3124



21.4636, 0.6156, 0.3165



39.8906, 0.1984, 0.2319



17.2772, 0.3265, 0.3247



10.8997, 0.6120, 0.3145



1.0232, 0.5814, 0.2976

Previews

White Background



This preview shows how the Yxy color 21.2787, 0.6023, 0.3124 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 21.2787, 0.6023, 0.3124 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 21.2787, 0.6023, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 21.2787, 0.6023, 0.3124.



This preview shows how white text looks on a background with the Yxy color 21.2787, 0.6023, 0.3124.

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

21.2787, 0.6023, 0.3124

Protanopia

21.5992, 0.3743, 0.4033

Deuteranopia

21.5527, 0.4505, 0.4442



Tritanopia

21.2885, 0.6284, 0.3323

Trichromacy



Original Color

21.2787, 0.6023, 0.3124



Protanomaly

16.8669, 0.4783, 0.3445



Deuteranomaly

17.5773, 0.5335, 0.3674



Tritanomaly

21.1498, 0.6222, 0.3265

Monochromacy



Original Color

21.2787, 0.6023, 0.3124



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.3849, 0.4520, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2787, 0.6023, 0.3124 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(252, 13, 57)` looks like.

```
.text, #text, p{  
    color:rgb(252, 13, 57)  
}
```

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(252, 13, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 13, 57) }
```

Border

The CSS property to change the border of an element to Yxy 21.2787, 0.6023, 0.3124 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(252, 13, 57) }
```

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

```
.border{ border-color:rgb(252, 13, 57) }
```

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

Here you see how a box with a 4 pixel rgb(252, 13, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 13, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 13, 57);  
box-shadow:4px 4px 4px 4px rgb(252, 13,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2787, 0.6023, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 13, 57) }
```

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

```
.background{ background-color: rgb(252, 13,  
57) }
```

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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