

Converting Colors

$Yxy(20.2067, 0.6336, 0.3266)$

Have a look what the booklet for
Yxy(20.2067, 0.6336, 0.3266)
contains.

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Color

Yxy(20.2085, 0.6337, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	F90113
RGB	249, 1, 19
RGB Percent	98%, 0%, 7%
CMY	0.0235, 0.9962, 0.9256
CMYK	0.00, 1.00, 0.92, 0.02
HSL	356°, 99%, 49%
HSV	356°, 100%, 98%
XYZ	39.1984, 20.2085, 2.4495
YIQ	77.2040, 142.0300, 58.1740

Conversions

Conversions Part 2

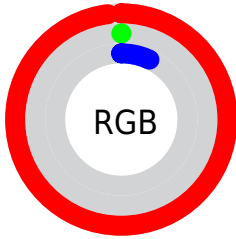
Format	Color
RYB	249, 1, 19
Decimal	16318739
CIELab	52.07, 78.76, 60.91
CIELCh	52, 99.563, 37.715
Yxy	20.2085, 0.6337, 0.3267
Android (android.graphics.Color)	4294508819 (0xFFFF90113)
YUV	77.2040, -28.6946, 150.6651
Hunter-Lab	44.9539, 76.9774, 28.2370

Details

The Yxy color **20.2085, 0.6337, 0.3267** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **73.5346, 0.2311, 0.3517**, and the grayscale version is **7.4924, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0554, 0.5436, 0.3514**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.1858, 0.6343, 0.3268**, and if you desaturate by 10%, it is **21.0425, 0.6126, 0.3234**.

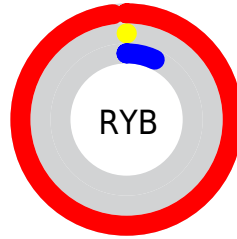
Distribution



Red (98%)

Green (0%)

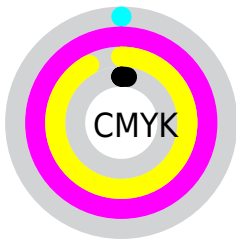
Blue (7%)



Red (98%)

Yellow (0%)

Blue (7%)

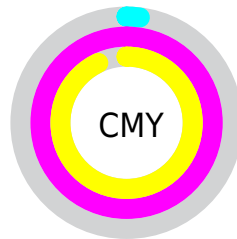


Cyan (0%)

Magenta (100%)

Yellow (92%)

Black (2%)



Cyan (2%)


Magenta (100%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2085, 0.6337, 0.3267 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 20.2085, 0.6337, 0.3267 by changing the saturation by 10% instead.


 20.2085, 0.6337,
0.3267


 20.2085, 0.6337,
0.3267


253.0416, 0.4664,
0.3534

 12.5467, 0.6698,
0.3101


 43.7665, 0.5756,
0.3440


 7.1172, 0.7142,
0.2858


 60.4314, 0.5525,
0.3482


 3.5355, 0.7550,
0.2450

 80.8662, 0.5327,
0.3508

 1.4173, 0.8105,
0.1895

 105.4553, 0.5156,
0.3523

 0.2294, 0.9272,
0.0728

 134.5829, 0.5008,
0.3532


 0.0000, 1.0000,
0.0000

 168.6336, 0.4879,

 0.0000, 0.0000,


0.3535

0.0000


 207.9917, 0.4765,
0.3536

 20.2085, 0.6337,
0.3267


 20.2085, 0.6337,
0.3267


 20.1858, 0.6343,
0.3268


 21.0425, 0.6126,
0.3234

 22.8731, 0.5775,
0.3206

 25.9745, 0.5333,
0.3191


 30.5219, 0.4868,
0.3190

 36.6631, 0.4434,
0.3200

 44.5273, 0.4056,
0.3216

 54.2306, 0.3743,
0.3234

 65.8792, 0.3489,
0.3254

 79.5709, 0.3285,
0.3273

Harmonies

Analogous

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



20.2085, 0.5634, 0.2484



20.2085, 0.6337, 0.3267



20.2085, 0.5775, 0.4225

Triad

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



20.2085, 0.6337, 0.3267



20.2085, 0.1864, 0.6073



20.2085, 0.1224, 0.1127

Complementary

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



20.2085, 0.6337, 0.3267



73.5346, 0.2311, 0.3517

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.



20.2085, 0.0804, 0.1279



20.2085, 0.6337, 0.3267



20.2085, 0.0999, 0.3594

Square

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



20.2085, 0.6337, 0.3267



20.2085, 0.3130, 0.6618



20.2085, 0.0717, 0.1928



20.2085, 0.2158, 0.1290

Rectangle

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



20.2085, 0.6337, 0.3267



20.2085, 0.4974, 0.5026



20.2085, 0.0717, 0.1928



20.2085, 0.1039, 0.1139

Sweetspot

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



20.2098, 0.6337, 0.3267



56.7630, 0.3755, 0.3234



23.4112, 0.2998, 0.1426



11.1797, 0.3881, 0.3226



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.



20.2098, 0.6337, 0.3267



21.3054, 0.6344, 0.3268



30.1091, 0.5671, 0.3876



17.2456, 0.3283, 0.3273



10.8114, 0.6325, 0.3258



1.0082, 0.6151, 0.3162

Inverse Universe

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



20.2098, 0.6337, 0.3267



21.3054, 0.6344, 0.3268



27.2997, 0.1846, 0.1843



17.2456, 0.3283, 0.3273



10.8114, 0.6325, 0.3258



1.0082, 0.6151, 0.3162

Previews

White Background



This preview shows how the Yxy color 20.2085, 0.6337, 0.3267 looks on a white background.

Color Contrast Check

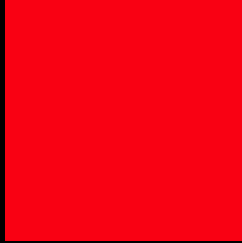
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.2085, 0.6337, 0.3267 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 20.2085, 0.6337, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 20.2085, 0.6337, 0.3267.



This preview shows how white text looks on a background with the Yxy color 20.2085, 0.6337, 0.3267.

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

20.2085, 0.6337, 0.3267

Protanopia

20.7445, 0.4216, 0.4641

Deuteranopia

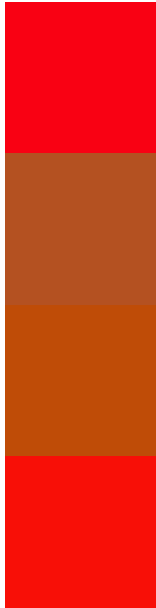
20.4628, 0.4702, 0.4649



Tritanopia

20.3869, 0.6344, 0.3345

Trichromacy



Original Color

20.2085, 0.6337, 0.3267

Protanomaly

15.6980, 0.5370, 0.3825

Deuteranomaly

16.2606, 0.5681, 0.3832

Tritanomaly

20.3134, 0.6349, 0.3314

Monochromacy



Original Color

20.2085, 0.6337, 0.3267

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.0576, 0.4988, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2085, 0.6337, 0.3267 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(249, 1, 19)` looks like.

```
.text, #text, p{  
    color:rgb(249, 1, 19)  
}
```

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(249, 1, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 1, 19) }
```

Border

The CSS property to change the border of an element to Yxy 20.2085, 0.6337, 0.3267 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(249, 1, 19) }
```

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

```
.border{ border-color:rgb(249, 1, 19) }
```

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

Here you see how a box with a 4 pixel rgb(249, 1, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 1, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 1, 19);  
box-shadow:4px 4px 4px 4px rgb(249, 1, 19)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.2085, 0.6337, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 1, 19) }
```

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

```
.background{ background-color: rgb(249, 1,  
19) }
```

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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