

Converting Colors

$Y_{xy}(20.0969, 0.6275, 0.3386)$

Have a look what the booklet for
Yxy(20.0969, 0.6275, 0.3386)
contains.

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Color

Yxy(20.0859, 0.6277, 0.3386)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | F22303 |
| RGB | 242, 35, 3 |
| RGB Percent | 95%, 14%, 1% |
| CMY | 0.0510, 0.8627, 0.9884 |
| CMYK | 0.00, 0.86, 0.99, 0.05 |
| HSL | 8°, 98%, 48% |
| HSV | 8°, 99%, 95% |
| XYZ | 37.2354, 20.0859, 1.9991 |
| YIQ | 93.2450, 133.6440, 33.9320 |

Conversions

Conversions Part 2

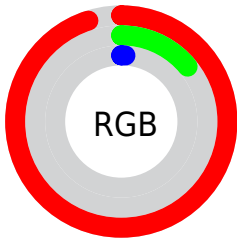
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 242, 40, 3 |
| Decimal | 15868675 |
| CIE _{Lab} | 51.93, 73.04, 64.37 |
| CIE _{LCh} | 52, 97.351, 41.390 |
| Yxy | 20.0859, 0.6277, 0.3386 |
| Android (android.graphics.Color) | 4294058755 (0xFFFF22303) |
| YUV | 93.2450, -44.4908, 130.4581 |
| Hunter-Lab | 44.8173, 69.8724, 28.7274 |

Details

The Yxy color **20.0859, 0.6277, 0.3386** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **52.4867, 0.2129, 0.2858**, and the grayscale version is **11.0912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6894, 0.5433, 0.3655**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.9357, 0.6299, 0.3380**, and if you desaturate by 10%, it is **21.7832, 0.6044, 0.3444**.

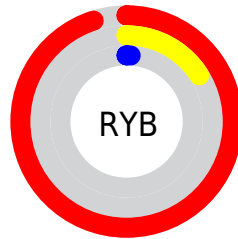
Distribution



Red (95%)

Green (14%)

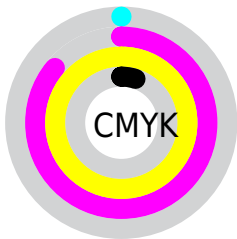
Blue (1%)



Red (95%)

Yellow (16%)

Blue (1%)

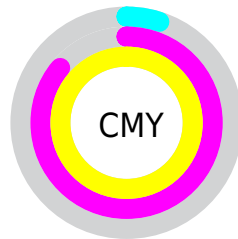


Cyan (0%)

Magenta (86%)

Yellow (99%)

Black (5%)



Cyan (5%)


Magenta (86%)


Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0859, 0.6277, 0.3386 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 20.0859, 0.6277, 0.3386 by changing the saturation by 10% instead.


 20.0859, 0.6277,
0.3386


 20.0859, 0.6277,
0.3386


 252.3798, 0.4650,
0.3603


 12.4575, 0.6627,
0.3229


 43.5612, 0.5718,
0.3546


 7.0561, 0.7021,
0.2979


 60.1768, 0.5494,
0.3582


 3.4972, 0.7421,
0.2579


 80.5570, 0.5301,
0.3601

 1.3965, 0.7976,
0.2024

 105.0861, 0.5134,
0.3611

 0.2141, 0.9235,
0.0765

 134.1485, 0.4988,
0.3614


 0.0000, 1.0000,
0.0000


 168.1287, 0.4861,

 0.0000, 0.0000,


0.3613


0.0000


 207.4110, 0.4749,
0.3609


 20.0859, 0.6277,
0.3386

 20.0859, 0.6277,
0.3386


 19.9357, 0.6299,
0.3380

 21.7832, 0.6044,
0.3444

 24.4173, 0.5690,
0.3485

 28.1063, 0.5262,
0.3499

 32.9471, 0.4819,
0.3491

 39.0258, 0.4405,
0.3466

■ 46.4198, 0.4042,
0.3432

■ 55.2004, 0.3736,
0.3394

■ 65.4337, 0.3484,
0.3356

■ 77.1815, 0.3277,
0.3320

Harmonies

Analogous

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



20.0859, 0.5753, 0.2596



20.0859, 0.6277, 0.3386



20.0859, 0.5626, 0.4374

Triad

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



20.0859, 0.6277, 0.3386



20.0859, 0.1758, 0.5756



20.0859, 0.1329, 0.1155

Complementary

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



20.0859, 0.6277, 0.3386



52.4867, 0.2129, 0.2858

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.



20.0859, 0.0859, 0.1266



20.0859, 0.6277, 0.3386



20.0859, 0.0968, 0.3323

Square

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



20.0859, 0.6277, 0.3386



20.0859, 0.2990, 0.6625



20.0859, 0.0737, 0.1834



20.0859, 0.2336, 0.1354

Rectangle

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



20.0859, 0.6277, 0.3386



20.0859, 0.4812, 0.5188



20.0859, 0.0737, 0.1834



20.0859, 0.1125, 0.1155

Sweetspot

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



20.0872, 0.6277, 0.3386



60.7883, 0.3773, 0.3399



23.6008, 0.3579, 0.1749



12.0935, 0.3899, 0.3415



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.



20.0872, 0.6277, 0.3386



22.4163, 0.6302, 0.3378



42.1101, 0.5024, 0.4385



16.1007, 0.3290, 0.3322



10.8207, 0.6280, 0.3396



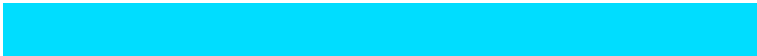
1.0070, 0.6073, 0.3560

Inverse Universe

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



52.4867, 0.2129, 0.2858



58.8201, 0.2125, 0.2851



13.8441, 0.1658, 0.1161



17.5460, 0.2981, 0.3257



28.2286, 0.2128, 0.2860



2.4476, 0.2145, 0.2922

Previews

White Background



This preview shows how the Yxy color 20.0859, 0.6277, 0.3386 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 20.0859, 0.6277, 0.3386 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 20.0859, 0.6277, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 20.0859, 0.6277, 0.3386.



This preview shows how white text looks on a background with the Yxy color 20.0859, 0.6277, 0.3386.

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

20.0859, 0.6277, 0.3386

Protanopia

20.3364, 0.4285, 0.4740

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0537, 0.6179, 0.3315

Trichromacy



Original Color

20.0859, 0.6277, 0.3386

Protanomaly

17.0519, 0.5268, 0.4067

Deuteranomaly

17.6730, 0.5499, 0.4010

Tritanomaly

20.0718, 0.6224, 0.3348

Monochromacy



Original Color

20.0859, 0.6277, 0.3386

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.1640, 0.4745, 0.3493

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0859, 0.6277, 0.3386 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(242, 35, 3)` looks like.

```
.text, #text, p{  
    color:rgb(242, 35, 3)  
}
```

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(242, 35, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 35, 3) }
```

Border

The CSS property to change the border of an element to Yxy 20.0859, 0.6277, 0.3386 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(242, 35, 3) }
```

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

```
.border{ border-color:rgb(242, 35, 3) }
```

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

Here you see how a box with a 4 pixel rgb(242, 35, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 35, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 35, 3);  
box-shadow:4px 4px 4px 4px rgb(242, 35, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.0859, 0.6277, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 35, 3) }
```

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

```
.background{ background-color: rgb(242, 35,  
3) }
```

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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