

Converting Colors

$Y_{xy}(21.6559, 0.6339, 0.3310)$

Have a look what the booklet for
Yxy(21.6559, 0.6339, 0.3310)
contains.

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Color

Yxy(21.6547, 0.6339, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	FF100B
RGB	255, 16, 11
RGB Percent	100%, 6%, 4%
CMY	0.0000, 0.9369, 0.9577
CMYK	0.00, 0.94, 0.96, 0.00
HSL	1°, 100%, 52%
HSV	1°, 96%, 100%
XYZ	41.4836, 21.6547, 2.3036
YIQ	86.8910, 144.0490, 49.1130

Conversions

Conversions Part 2

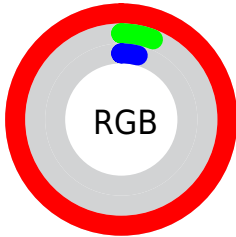
Format	Color
RYB	255, 16, 11
Decimal	16715787
CIELab	53.66, 79.02, 64.79
CIElCh	54, 102.181, 39.348
Yxy	21.6547, 0.6339, 0.3309
Android (android.graphics.Color)	4294905867 (0xFFFF100B)
YUV	86.8910, -37.4143, 147.4316
Hunter-Lab	46.5346, 77.6894, 29.6393

Details

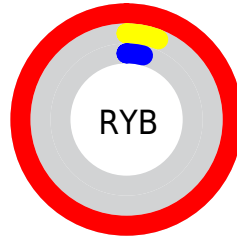
The Yxy color **21.6547, 0.6339, 0.3309** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **75.4683, 0.2232, 0.3223**, and the grayscale version is **9.5717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7560, 0.5437, 0.3577**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3793, 0.6390, 0.3308**, and if you desaturate by 10%, it is **22.9768, 0.6118, 0.3319**.

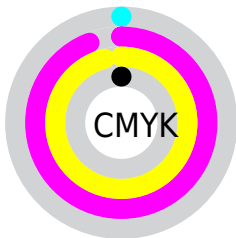
Distribution



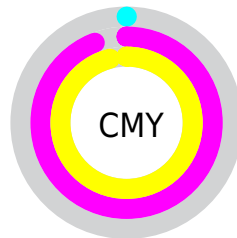
- Red (100%)
- Green (6%)
- Blue (4%)



- Red (100%)
- Yellow (6%)
- Blue (4%)



- Cyan (0%)
- Magenta (94%)
- Yellow (96%)
- Black (0%)




- Cyan (0%)
- Magenta (94%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6547, 0.6339, 0.3309 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 21.6547, 0.6339, 0.3309 by changing the saturation by 10% instead.


 21.6547, 0.6339,
0.3309


 21.6547, 0.6339,
0.3309


260.7377, 0.4697,
0.3567


 13.6034, 0.6683,
0.3147


 46.1746, 0.5778,
0.3479

 7.8453, 0.7093,
0.2907


 63.4120, 0.5553,
0.3520


 3.9961, 0.7482,
0.2518

 84.4803, 0.5358,
0.3545

 1.6714, 0.8011,
0.1989

 109.7637, 0.5189,
0.3560

 0.4050, 0.8918,
0.1082

 139.6468, 0.5042,
0.3567


 0.0000, 1.0000,
0.0000

 174.5139, 0.4912,

 0.0000, 0.0000,


0.3570


0.0000

 214.7494, 0.4798,
0.3569


 21.6547, 0.6339,
0.3309


 21.6547, 0.6339,
0.3309

 21.3793, 0.6390,
0.3308

 22.9768, 0.6118,
0.3319

 25.4992, 0.5745,
0.3326

 29.4222, 0.5282,
0.3327

 34.9088, 0.4804,
0.3325

 42.0996, 0.4364,
0.3320

51.1196, 0.3987,
0.3313

62.0822, 0.3676,
0.3307

75.0913, 0.3425,
0.3300

90.2438, 0.3224,
0.3293

Harmonies

Analogous

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



21.6547, 0.5717, 0.2524



21.6547, 0.6339, 0.3309



21.6547, 0.5718, 0.4282

Triad

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



21.6547, 0.6339, 0.3309



21.6547, 0.1797, 0.5973



21.6547, 0.1256, 0.1124

Complementary

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



21.6547, 0.6339, 0.3309



75.4683, 0.2232, 0.3223

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.



21.6547, 0.0814, 0.1257



21.6547, 0.6339, 0.3309



21.6547, 0.0966, 0.3467

Square

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



21.6547, 0.6339, 0.3309



21.6547, 0.3052, 0.6658



21.6547, 0.0710, 0.1868



21.6547, 0.2227, 0.1304

Rectangle

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



21.6547, 0.6339, 0.3309



21.6547, 0.4902, 0.5098



21.6547, 0.0710, 0.1868



21.6547, 0.1063, 0.1131

Sweetspot

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



21.6561, 0.6339, 0.3309



58.3236, 0.3770, 0.3309



28.4539, 0.3250, 0.1574



11.4896, 0.3903, 0.3312



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.



21.6561, 0.6339, 0.3309



21.3802, 0.6390, 0.3308



39.1633, 0.5309, 0.4139



18.0502, 0.3294, 0.3296



11.1990, 0.6386, 0.3312



1.1117, 0.6350, 0.3340

Inverse Universe

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



75.4683, 0.2232, 0.3223



75.2567, 0.2228, 0.3220



22.9431, 0.1774, 0.1565



20.4097, 0.2980, 0.3284



39.3539, 0.2228, 0.3221



3.8524, 0.2230, 0.3229

Previews

White Background



This preview shows how the Yxy color 21.6547, 0.6339, 0.3309 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 21.6547, 0.6339, 0.3309 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 21.6547, 0.6339, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 21.6547, 0.6339, 0.3309.



This preview shows how white text looks on a background with the Yxy color 21.6547, 0.6339, 0.3309.

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

21.6547, 0.6339, 0.3309

Protanopia

21.8476, 0.4265, 0.4695

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.6547, 0.6339, 0.3309

Protanomaly

17.3729, 0.5360, 0.3930

Deuteranomaly

18.0852, 0.5609, 0.3908

Tritanomaly

21.5799, 0.6346, 0.3328

Monochromacy



Original Color

21.6547, 0.6339, 0.3309

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.9492, 0.4906, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6547, 0.6339, 0.3309 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, 16, 11)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 11)  
}
```

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, 16, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 11) }
```

Border

The CSS property to change the border of an element to Yxy 21.6547, 0.6339, 0.3309 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, 16, 11) }
```

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

```
.border{ border-color:rgb(255, 16, 11) }
```

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

Here you see how a box with a 4 pixel rgb(255, 16, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 11);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6547, 0.6339, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 11) }
```

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

```
.background{ background-color: rgb(255, 16,  
11) }
```

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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