

Converting Colors

$Y_{xy}(20.7236, 0.6237, 0.3309)$

Have a look what the booklet for
Yxy(20.7236, 0.6237, 0.3309)
contains.

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Color

Yxy(20.6749, 0.6234, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	F71C19
RGB	247, 28, 25
RGB Percent	97%, 11%, 10%
CMY	0.0313, 0.8902, 0.9021
CMYK	0.00, 0.89, 0.90, 0.03
HSL	1°, 93%, 53%
HSV	1°, 90%, 97%
XYZ	38.9505, 20.6749, 2.8554
YIQ	93.1390, 131.4870, 45.4950

Conversions

Conversions Part 2

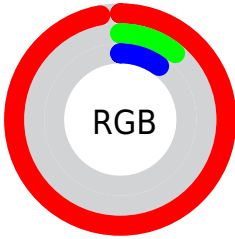
Format	Color
R_{YB}	247, 28, 25
Decimal	16194585
CIE _{Lab}	52.59, 75.73, 58.84
CIE _{LCh}	53, 95.906, 37.846
Yxy	20.6749, 0.6234, 0.3309
Android (android.graphics.Color)	4294384665 (0xFFFF71C19)
YUV	93.1390, -33.5925, 134.9361
Hunter-Lab	45.4697, 73.3360, 28.1055

Details

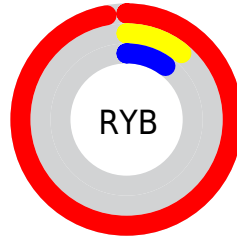
The Yxy color **20.6749, 0.6234, 0.3309** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **71.6062, 0.2248, 0.3250**, and the grayscale version is **11.0370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4549, 0.5327, 0.3541**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.8552, 0.6393, 0.3305**, and if you desaturate by 10%, it is **22.4916, 0.5919, 0.3314**.

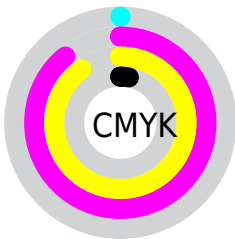
Distribution



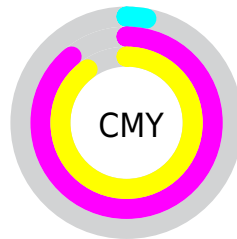
- Red (97%)
- Green (11%)
- Blue (10%)



- Red (97%)
- Yellow (11%)
- Blue (10%)



- Cyan (0%)
- Magenta (89%)
- Yellow (90%)
- Black (3%)




- Cyan (3%)
- Magenta (89%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6749, 0.6234, 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 20.6749, 0.6234, 0.3309 by changing the saturation by 10% instead.


 20.6749, 0.6234,
0.3309


 20.6749, 0.6234,
0.3309


255.5457, 0.4605,
0.3535


 12.8866, 0.6592,
0.3158


 44.5458, 0.5662,
0.3462

 7.3505, 0.7058,
0.2942


 61.3973, 0.5438,
0.3498

 3.6822, 0.7455,
0.2545

 82.0385, 0.5245,
0.3519

 1.4975, 0.8000,
0.2000

 106.8539, 0.5080,
0.3531

 0.2869, 0.9094,
0.0906

 136.2280, 0.4937,
0.3537


 0.0000, 1.0000,
0.0000


 170.5450, 0.4811,

 0.0000, 0.0000,


0.3539

0.0000


 210.1895, 0.4702,
0.3538


 20.6749, 0.6234,
0.3309

 20.6749, 0.6234,
0.3309

 19.8552, 0.6393,
0.3305


 22.4916, 0.5919,
0.3314


 19.8490, 0.6394,
0.3305


 25.5446, 0.5484,
0.3316


 30.0026, 0.5003,
0.3315


 36.0072, 0.4541,
0.3312

 43.6826, 0.4136,
0.3308

 53.1406, 0.3797,
0.3303

 64.4833, 0.3522,
0.3298

 77.8048, 0.3302,
0.3294

 93.1934, 0.3125,
0.3290

Harmonies

Analogous

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



20.6749, 0.5539, 0.2526



20.6749, 0.6234, 0.3309



20.6749, 0.5718, 0.4255

Triad

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



20.6749, 0.6234, 0.3309



20.6749, 0.1926, 0.5918



20.6749, 0.1278, 0.1181

Complementary

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



20.6749, 0.6234, 0.3309



71.6062, 0.2248, 0.3250

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.



20.6749, 0.0858, 0.1335



20.6749, 0.6234, 0.3309



20.6749, 0.1065, 0.3585

Square

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



20.6749, 0.6234, 0.3309



20.6749, 0.3174, 0.6497



20.6749, 0.0775, 0.1981



20.6749, 0.2201, 0.1343

Rectangle

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



20.6749, 0.6234, 0.3309



20.6749, 0.4964, 0.5036



20.6749, 0.0775, 0.1981



20.6749, 0.1094, 0.1194

Sweetspot

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



20.6762, 0.6234, 0.3309



60.3911, 0.3713, 0.3302



27.1853, 0.3208, 0.1571



12.0920, 0.3815, 0.3303



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.



20.6762, 0.6234, 0.3309



21.3357, 0.6394, 0.3305



37.4501, 0.5234, 0.4141



16.5188, 0.3293, 0.3294



10.5132, 0.6391, 0.3308



0.9366, 0.6366, 0.3328

Inverse Universe

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



71.6062, 0.2248, 0.3250



76.5350, 0.2235, 0.3245



24.5266, 0.1832, 0.1729



18.7166, 0.2981, 0.3286



37.6683, 0.2235, 0.3246



3.3229, 0.2237, 0.3251

Previews

White Background



This preview shows how the Yxy color 20.6749, 0.6234, 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 20.6749, 0.6234, 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 20.6749, 0.6234, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 20.6749, 0.6234, 0.3309.



This preview shows how white text looks on a background with the Yxy color 20.6749, 0.6234, 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

20.6749, 0.6234, 0.3309

Protanopia

20.7817, 0.4179, 0.4586

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.6588, 0.6254, 0.3321

Trichromacy



Original Color

20.6749, 0.6234, 0.3309

Protanomaly

17.1556, 0.5197, 0.3906

Deuteranomaly

17.9125, 0.5511, 0.3958

Tritanomaly

20.6626, 0.6249, 0.3318

Monochromacy



Original Color

20.6749, 0.6234, 0.3309

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.0632, 0.4659, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6749, 0.6234, 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(247, 28, 25)` looks like.

```
.text, #text, p{  
  color:rgb(247, 28, 25)  
}
```

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(247, 28, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 28, 25) }
```

Border

The CSS property to change the border of an element to Yxy 20.6749, 0.6234, 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(247, 28, 25) }
```

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

```
.border{ border-color:rgb(247, 28, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 28, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 28, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 28, 25);  
box-shadow:4px 4px 4px 4px rgb(247, 28,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6749, 0.6234, 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(247, 28, 25) }
```

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

```
.background{ background-color: rgb(247, 28,  
25) }
```

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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