

Converting Colors

$Y_{xy}(20.7775, 0.6234, 0.3312)$

Have a look what the booklet for
Yxy(20.7775, 0.6234, 0.3312)
contains.

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Color

Yxy(20.7231, 0.6230, 0.3312)

Conversions

Conversions Part 1

Format	Color
Hex	F71D19
RGB	247, 29, 25
RGB Percent	97%, 11%, 10%
CMY	0.0313, 0.8866, 0.9019
CMYK	0.00, 0.88, 0.90, 0.03
HSL	1°, 93%, 53%
HSV	1°, 90%, 97%
XYZ	38.9810, 20.7231, 2.8657
YIQ	93.7260, 131.2120, 44.9720

Conversions

Conversions Part 2

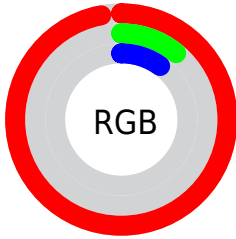
Format	Color
R_{YB}	247, 29, 25
Decimal	16194841
CIE Lab	52.65, 75.60, 58.86
CIE LCh	53, 95.814, 37.904
Yxy	20.7231, 0.6230, 0.3312
Android (android.graphics.Color)	4294384921 (0xFFFF71D19)
YUV	93.7260, -33.8819, 134.4213
Hunter-Lab	45.5226, 73.1846, 28.1335

Details

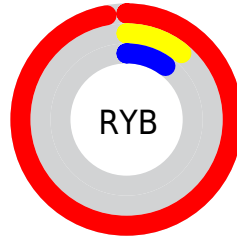
The Yxy color **20.7231, 0.6230, 0.3312** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **71.1024, 0.2245, 0.3239**, and the grayscale version is **11.1731, 0.3127, 0.3290**.

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 **19.8812, 0.6390, 0.3307**, and if you desaturate by 10%, it is **22.5703, 0.5914, 0.3319**.

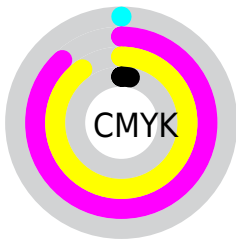
Distribution



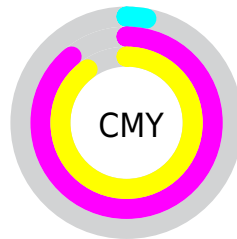
- Red (97%)
- Green (11%)
- Blue (10%)



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



- Cyan (0%)
- Magenta (88%)
- Yellow (90%)
- Black (3%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7231, 0.6230, 0.3312 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 20.7231, 0.6230, 0.3312 by changing the saturation by 10% instead.


 20.7231, 0.6230,
0.3312


 20.7231, 0.6230,
0.3312


255.8032, 0.4603,
0.3536


 12.9217, 0.6587,
0.3161


 44.6262, 0.5659,
0.3464


 7.3747, 0.7053,
0.2947


 61.4968, 0.5435,
0.3500

 3.6975, 0.7450,
0.2550

 82.1593, 0.5243,
0.3521

 1.5058, 0.7993,
0.2007

 106.9980, 0.5078,
0.3533

 0.2928, 0.9079,
0.0921

 136.3973, 0.4935,
0.3538


 0.0000, 1.0000,
0.0000


 170.7417, 0.4810,


 0.0000, 0.0000,

0.3540


0.0000


 210.4156, 0.4700,
0.3539

 20.7231, 0.6230,
0.3312


 20.7231, 0.6230,
0.3312

 19.8812, 0.6390,
0.3307


 22.5703, 0.5914,
0.3319


 19.8740, 0.6392,
0.3307

 25.6508, 0.5478,
0.3321

 30.1306, 0.4998,
0.3321

 36.1492, 0.4538,
0.3317

 43.8294, 0.4133,
0.3312

 53.2816, 0.3796,
0.3306

 64.6064, 0.3521,
0.3300

 77.8974, 0.3301,
0.3295

 93.2414, 0.3125,
0.3290

Harmonies

Analogous

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



20.7231, 0.5538, 0.2529



20.7231, 0.6230, 0.3312



20.7231, 0.5713, 0.4258

Triad

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



20.7231, 0.6230, 0.3312



20.7231, 0.1926, 0.5909



20.7231, 0.1281, 0.1183

Complementary

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



20.7231, 0.6230, 0.3312



71.1024, 0.2245, 0.3239

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.



20.7231, 0.0861, 0.1337



20.7231, 0.6230, 0.3312



20.7231, 0.1067, 0.3581

Square

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



20.7231, 0.6230, 0.3312



20.7231, 0.3173, 0.6494



20.7231, 0.0777, 0.1981



20.7231, 0.2205, 0.1346

Rectangle

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



20.7231, 0.6230, 0.3312



20.7231, 0.4961, 0.5039



20.7231, 0.0777, 0.1981



20.7231, 0.1097, 0.1196

Sweetspot

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



20.7244, 0.6230, 0.3312



60.5052, 0.3712, 0.3304



26.9665, 0.3246, 0.1593



12.1179, 0.3814, 0.3306



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.



20.7244, 0.6230, 0.3312



21.3573, 0.6392, 0.3306



38.5247, 0.5191, 0.4177



16.5291, 0.3293, 0.3295



10.5289, 0.6388, 0.3310



0.9415, 0.6356, 0.3335

Inverse Universe

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



71.1024, 0.2245, 0.3239



75.9139, 0.2231, 0.3233



23.5137, 0.1818, 0.1677



18.7049, 0.2981, 0.3285



37.3684, 0.2232, 0.3234



3.3000, 0.2234, 0.3241

Previews

White Background



This preview shows how the Yxy color 20.7231, 0.6230, 0.3312 looks on a white background.

Color Contrast Check

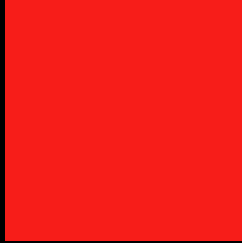
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7231, 0.6230, 0.3312 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 20.7231, 0.6230, 0.3312

Background



This preview shows how black text looks on a background with the Yxy color 20.7231, 0.6230, 0.3312.



This preview shows how white text looks on a background with the Yxy color 20.7231, 0.6230, 0.3312.

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

20.7231, 0.6230, 0.3312

Protanopia

21.0387, 0.4168, 0.4599

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.7147, 0.6240, 0.3318

Trichromacy



Original Color

20.7231, 0.6230, 0.3312

Protanomaly

17.3254, 0.5183, 0.3919

Deuteranomaly

17.9125, 0.5511, 0.3958

Tritanomaly

20.7188, 0.6235, 0.3316

Monochromacy



Original Color

20.7231, 0.6230, 0.3312

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.2940, 0.4644, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7231, 0.6230, 0.3312 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, 29, 25)` looks like.

```
.text, #text, p{  
  color:rgb(247, 29, 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, 29, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 29, 25) }
```

Border

The CSS property to change the border of an element to Yxy 20.7231, 0.6230, 0.3312 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, 29, 25) }
```

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

```
.border{ border-color:rgb(247, 29, 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, 29, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 29, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 29, 25);  
box-shadow:4px 4px 4px 4px rgb(247, 29,  
25) }
```


Background

The CSS property to change the background color of an element to Rgb(20.7231, 0.6230, 0.3312) is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 29, 25) }
```

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

```
.background{ background-color: rgb(247, 29,  
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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