

Converting Colors

$Y_{xy}(20.5978, 0.6248, 0.3300)$

Have a look what the booklet for
Yxy(20.5978, 0.6248, 0.3300)
contains.

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Color

Yxy(20.5396, 0.6245, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	F71919
RGB	247, 25, 25
RGB Percent	97%, 10%, 10%
CMY	0.0314, 0.9019, 0.9017
CMYK	0.00, 0.90, 0.90, 0.03
HSL	360°, 93%, 53%
HSV	360°, 90%, 97%
XYZ	38.8814, 20.5396, 2.8391
YIQ	91.3780, 132.3120, 47.0640

Conversions

Conversions Part 2

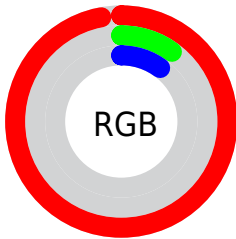
Format	Color
R_{YB}	247, 25, 25
Decimal	16193817
CIE Lab	52.44, 76.16, 58.70
CIE LCh	52, 96.155, 37.621
Yxy	20.5396, 0.6245, 0.3299
Android (android.graphics.Color)	4294383897 (0xFFFF71919)
YUV	91.3780, -32.7244, 136.4805
Hunter-Lab	45.3206, 73.8274, 28.0103

Details

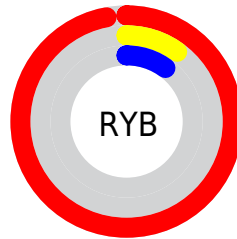
The Yxy color **20.5396, 0.6245, 0.3299** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **73.4404, 0.2258, 0.3288**, and the grayscale version is **10.6115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0618, 0.5345, 0.3522**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7819, 0.6399, 0.3300**, and if you desaturate by 10%, it is **22.2602, 0.5935, 0.3298**.

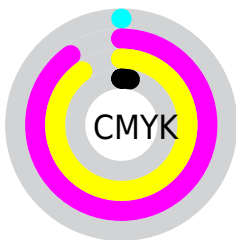
Distribution



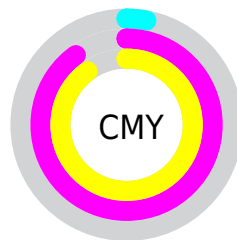
- Red (97%)
- Green (10%)
- Blue (10%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5396, 0.6245, 0.3299 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 20.5396, 0.6245, 0.3299 by changing the saturation by 10% instead.


 20.5396, 0.6245,
0.3299


 20.5396, 0.6245,
0.3299


254.8215, 0.4609,
0.3531


 12.7879, 0.6605,
0.3146


 44.3200, 0.5670,
0.3454

 7.2826, 0.7073,
0.2927


 61.1175, 0.5445,
0.3491


 3.6395, 0.7472,
0.2528

 81.6991, 0.5252,
0.3513

 1.4740, 0.8020,
0.1980

 106.4491, 0.5086,
0.3526

 0.2703, 0.9138,
0.0862

 135.7520, 0.4942,
0.3532


 0.0000, 1.0000,
0.0000


 169.9920, 0.4816,


 0.0000, 0.0000,


0.3534


0.0000

 209.5538, 0.4706,
0.3533


 20.5396, 0.6245,
0.3299


 20.5396, 0.6245,
0.3299


 19.7819, 0.6399,
0.3300


 22.2602, 0.5935,
0.3298

 19.7741, 0.6401,
0.3300


 25.2295, 0.5499,
0.3297

 29.6257, 0.5016,
0.3295

 35.5976, 0.4550,
0.3294

 43.2751, 0.4141,
0.3293

 52.7749, 0.3799,
0.3292

 64.2031, 0.3523,
0.3291

 77.6581, 0.3301,
0.3290

 93.2312, 0.3125,
0.3290

Harmonies

Analogous

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



20.5396, 0.5539, 0.2516



20.5396, 0.6245, 0.3299



20.5396, 0.5732, 0.4246

Triad

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



20.5396, 0.6245, 0.3299



20.5396, 0.1927, 0.5947



20.5396, 0.1268, 0.1175

Complementary

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



20.5396, 0.6245, 0.3299



73.4404, 0.2258, 0.3288

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.



20.5396, 0.0851, 0.1332



20.5396, 0.6245, 0.3299



20.5396, 0.1062, 0.3602

Square

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



20.5396, 0.6245, 0.3299



20.5396, 0.3178, 0.6506



20.5396, 0.0769, 0.1983



20.5396, 0.2188, 0.1335

Rectangle

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



20.5396, 0.6245, 0.3299



20.5396, 0.4974, 0.5026



20.5396, 0.0769, 0.1983



20.5396, 0.1084, 0.1189

Sweetspot

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



20.5409, 0.6245, 0.3299



59.9932, 0.3715, 0.3292



26.5198, 0.3170, 0.1551



12.0018, 0.3818, 0.3292



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.



20.5409, 0.6245, 0.3299



21.2601, 0.6401, 0.3300



36.4321, 0.5277, 0.4105



16.4826, 0.3294, 0.3290



10.4580, 0.6401, 0.3300



0.9192, 0.6400, 0.3299

Inverse Universe

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



20.5409, 0.6245, 0.3299



21.2601, 0.6401, 0.3300



25.5947, 0.1846, 0.1782



16.4826, 0.3294, 0.3290



10.4580, 0.6401, 0.3300



0.9192, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 20.5396, 0.6245, 0.3299 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 20.5396, 0.6245, 0.3299 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 20.5396, 0.6245, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 20.5396, 0.6245, 0.3299.



This preview shows how white text looks on a background with the Yxy color 20.5396, 0.6245, 0.3299.

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

20.5396, 0.6245, 0.3299

Protanopia

20.7817, 0.4179, 0.4586

Deuteranopia

20.5646, 0.4714, 0.4639



Tritanopia

20.5534, 0.6280, 0.3324

Trichromacy



Original Color

20.5396, 0.6245, 0.3299

Protanomaly

16.9880, 0.5211, 0.3892

Deuteranomaly

17.5931, 0.5541, 0.3934

Tritanomaly

20.5635, 0.6267, 0.3317

Monochromacy



Original Color

20.5396, 0.6245, 0.3299

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.7155, 0.4684, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5396, 0.6245, 0.3299 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, 25, 25)` looks like.

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

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

Border

The CSS property to change the border of an element to Yxy 20.5396, 0.6245, 0.3299 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, 25, 25) }
```

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

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

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


Background

The CSS property to change the background color of an element to Yxy 20.5396, 0.6245, 0.3299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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