

Converting Colors

$Y_{xy}(19.6823, 0.6270, 0.3300)$

Have a look what the booklet for
Yxy(19.6823, 0.6270, 0.3300)
contains.

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Color

Yxy(19.6864, 0.6267, 0.3299)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F31616 |
| RGB | 243, 22, 22 |
| RGB Percent | 95%, 9%, 9% |
| CMY | 0.0470, 0.9138, 0.9136 |
| CMYK | 0.00, 0.91, 0.91, 0.05 |
| HSL | 360°, 90%, 52% |
| HSV | 360°, 91%, 95% |
| XYZ | 37.3976, 19.6864, 2.5898 |
| YIQ | 88.0790, 131.7160, 46.8520 |

Conversions

Conversions Part 2

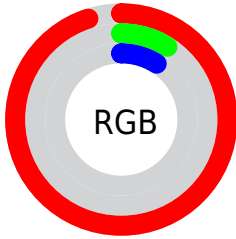
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 243, 22, 22 |
| Decimal | 15930902 |
| CIE _{Lab} | 51.48, 75.52, 58.83 |
| CIE _{LCh} | 51, 95.729, 37.918 |
| Yxy | 19.6864, 0.6267, 0.3299 |
| Android (android.graphics.Color) | 4294120982 (0xFFFF31616) |
| YUV | 88.0790, -32.5769, 135.8657 |
| Hunter-Lab | 44.3694, 72.8059, 27.5978 |

Details

The Yxy color **19.6864, 0.6267, 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 **70.7464, 0.2257, 0.3288**, and the grayscale version is **9.8255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6386, 0.5391, 0.3526**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.0571, 0.6401, 0.3300**, and if you desaturate by 10%, it is **21.2320, 0.5973, 0.3298**.

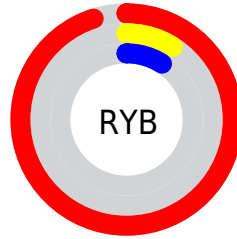
Distribution



Red (95%)

Green (9%)

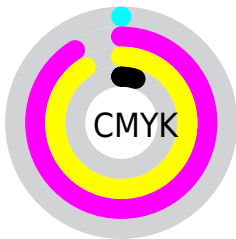
Blue (9%)



Red (95%)

Yellow (9%)

Blue (9%)

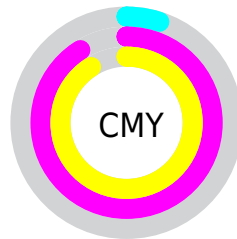


Cyan (0%)

Magenta (91%)

Yellow (91%)

Black (5%)



Cyan (5%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6864, 0.6267, 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 19.6864, 0.6267, 0.3299 by changing the saturation by 10% instead.

 19.6864, 0.6267,
0.3299


 19.6864, 0.6267,
0.3299


250.2123, 0.4613,
0.3536

 12.1673, 0.6631,
0.3140


 42.8908, 0.5686,
0.3459

 6.8577, 0.7092,
0.2908


 59.3448, 0.5457,
0.3497

 3.3733, 0.7502,
0.2498

 79.5460, 0.5262,
0.3519

 1.3296, 0.8067,
0.1933

 103.8787, 0.5094,
0.3532

 0.1639, 0.9409,
0.0591

 132.7273, 0.4949,
0.3538

 0.0000, 1.0000,
0.0000

 166.4761, 0.4822,

 0.0000, 0.0000,


0.3540


0.0000


 205.5097, 0.4711,
0.3539


 19.6864, 0.6267,
0.3299


 19.6864, 0.6267,
0.3299


 19.0571, 0.6401,
0.3300

 21.2320, 0.5973,
0.3298

 23.9593, 0.5548,
0.3297

 28.0433, 0.5066,
0.3295


 33.6292, 0.4596,
0.3294

 40.8436, 0.4181,
0.3293

 49.7997, 0.3832,
0.3292

 60.6006, 0.3549,
0.3291

 73.3414, 0.3323,
0.3291

 88.1106, 0.3142,
0.3290

Harmonies

Analogous

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



19.6864, 0.5575, 0.2516



19.6864, 0.6267, 0.3299



19.6864, 0.5742, 0.4257

Triad

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



19.6864, 0.6267, 0.3299



19.6864, 0.1902, 0.5960



19.6864, 0.1263, 0.1163

Complementary

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



19.6864, 0.6267, 0.3299



70.7464, 0.2257, 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.



19.6864, 0.0841, 0.1316



19.6864, 0.6267, 0.3299



19.6864, 0.1042, 0.3580

Square

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



19.6864, 0.6267, 0.3299



19.6864, 0.3155, 0.6538



19.6864, 0.0756, 0.1960



19.6864, 0.2192, 0.1327

Rectangle

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



19.6864, 0.6267, 0.3299



19.6864, 0.4962, 0.5038



19.6864, 0.0756, 0.1960



19.6864, 0.1078, 0.1176

Sweetspot

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



19.6877, 0.6267, 0.3299



59.9935, 0.3715, 0.3292



25.4524, 0.3170, 0.1546



12.0019, 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.



19.6877, 0.6267, 0.3299



21.2602, 0.6401, 0.3300



34.7644, 0.5299, 0.4100



16.4826, 0.3294, 0.3290



10.4580, 0.6400, 0.3300



0.9192, 0.6400, 0.3299

Inverse Universe

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



19.6877, 0.6267, 0.3299



21.2602, 0.6401, 0.3300



24.2997, 0.1839, 0.1763



16.4826, 0.3294, 0.3290



10.4580, 0.6400, 0.3300



0.9192, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 19.6864, 0.6267, 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 19.6864, 0.6267, 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 19.6864, 0.6267, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 19.6864, 0.6267, 0.3299.



This preview shows how white text looks on a background with the Yxy color 19.6864, 0.6267, 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

19.6864, 0.6267, 0.3299

Protanopia

19.9930, 0.4185, 0.4617

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.6916, 0.6309, 0.3328

Trichromacy



Original Color

19.6864, 0.6267, 0.3299

Protanomaly

16.1678, 0.5227, 0.3909

Deuteranomaly

16.7435, 0.5567, 0.3917

Tritanomaly

19.7020, 0.6295, 0.3320

Monochromacy



Original Color

19.6864, 0.6267, 0.3299

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.9662, 0.4714, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6864, 0.6267, 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(243, 22, 22)` looks like.

```
.text, #text, p{  
  color:rgb(243, 22, 22)  
}
```

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(243, 22, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 22, 22) }
```

Border

The CSS property to change the border of an element to Yxy 19.6864, 0.6267, 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(243, 22, 22) }
```

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

```
.border{ border-color:rgb(243, 22, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 22, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 22, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 22, 22);  
box-shadow:4px 4px 4px 4px rgb(243, 22,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6864, 0.6267, 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(243, 22, 22) }
```

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

```
.background{ background-color: rgb(243, 22,  
22) }
```

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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