

Converting Colors

$Yxy(20.0538, 0.6218, 0.3340)$

Have a look what the booklet for
Yxy(20.0538, 0.6218, 0.3340)
contains.

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Color

Yxy(20.0229, 0.6219, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	F22116
RGB	242, 33, 22
RGB Percent	95%, 13%, 9%
CMY	0.0510, 0.8704, 0.9138
CMYK	0.00, 0.86, 0.91, 0.05
HSL	3°, 89%, 52%
HSV	3°, 91%, 95%
XYZ	37.3045, 20.0229, 2.6573
YIQ	94.2370, 128.0950, 40.8870

Conversions

Conversions Part 2

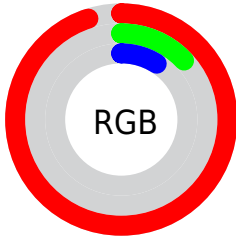
Format	Color
R_{YB}	242, 34, 22
Decimal	15868182
CIE _{Lab}	51.86, 73.57, 58.99
CIE _{LCh}	52, 94.299, 38.725
Yxy	20.0229, 0.6219, 0.3338
Android (android.graphics.Color)	4294058262 (0xFFFF22116)
YUV	94.2370, -35.6128, 129.5882
Hunter-Lab	44.7470, 70.5041, 27.8019

Details

The Yxy color **20.0229, 0.6219, 0.3338** 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 **63.6948, 0.2218, 0.3145**, and the grayscale version is **11.3223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6285, 0.5338, 0.3565**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.1426, 0.6375, 0.3321**, and if you desaturate by 10%, it is **21.9062, 0.5906, 0.3358**.

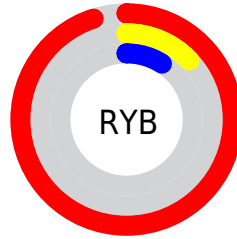
Distribution



Red (95%)

Green (13%)

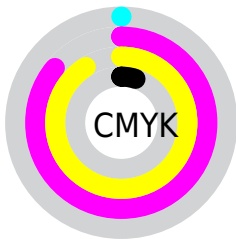
Blue (9%)



Red (95%)

Yellow (13%)

Blue (9%)

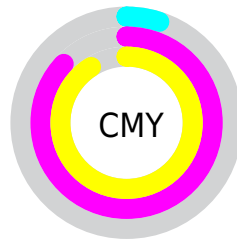


Cyan (0%)

Magenta (86%)

Yellow (91%)

Black (5%)



Cyan (5%)


Magenta (87%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0229, 0.6219, 0.3338 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 20.0229, 0.6219, 0.3338 by changing the saturation by 10% instead.


 20.0229, 0.6219,
0.3338


 20.0229, 0.6219,
0.3338


252.0391, 0.4592,
0.3551

 12.4117, 0.6577,
0.3186


 43.4556, 0.5647,
0.3488


 7.0247, 0.7035,
0.2965


 60.0458, 0.5423,
0.3522

 3.4776, 0.7437,
0.2563

 80.3979, 0.5231,
0.3542

 1.3858, 0.7994,
0.2006

 104.8961, 0.5065,
0.3552

 0.2063, 0.9264,
0.0736

 133.9250, 0.4922,
0.3556


 0.0000, 1.0000,
0.0000


 167.8688, 0.4798,


 0.0000, 0.0000,

0.3557


0.0000


 207.1121, 0.4688,
0.3554


 20.0229, 0.6219,
0.3338


 20.0229, 0.6219,
0.3338


 19.1426, 0.6375,
0.3321

 21.9062, 0.5906,
0.3358

 24.9173, 0.5479,
0.3368

 29.1972, 0.5008,
0.3368

 34.8654, 0.4555,
0.3360

 42.0275, 0.4155,
0.3348

■ 50.7789, 0.3818,
0.3334

■ 61.2072, 0.3543,
0.3319

■ 73.3934, 0.3320,
0.3304

■ 87.4134, 0.3142,
0.3291

Harmonies

Analogous

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



20.0229, 0.5566, 0.2554



20.0229, 0.6219, 0.3338



20.0229, 0.5685, 0.4292

Triad

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



20.0229, 0.6219, 0.3338



20.0229, 0.1902, 0.5844



20.0229, 0.1304, 0.1189

Complementary

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



20.0229, 0.6219, 0.3338



63.6948, 0.2218, 0.3145

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.



20.0229, 0.0873, 0.1333



20.0229, 0.6219, 0.3338



20.0229, 0.1059, 0.3522

Square

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



20.0229, 0.6219, 0.3338



20.0229, 0.3142, 0.6496



20.0229, 0.0781, 0.1959



20.0229, 0.2243, 0.1360

Rectangle

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



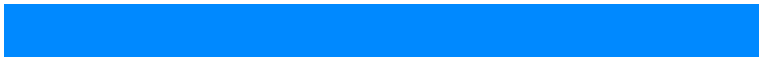
20.0229, 0.6219, 0.3338



20.0229, 0.4927, 0.5073



20.0229, 0.0781, 0.1959



20.0229, 0.1115, 0.1199

Sweetspot

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



20.0242, 0.6219, 0.3338



61.4701, 0.3706, 0.3328



25.2182, 0.3326, 0.1634



12.3371, 0.3806, 0.3333



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.



20.0242, 0.6219, 0.3338



21.5432, 0.6376, 0.3319



38.5761, 0.5124, 0.4243



15.8862, 0.3292, 0.3302



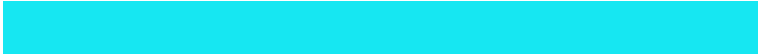
10.3414, 0.6364, 0.3329



0.9049, 0.6270, 0.3403

Inverse Universe

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



63.6948, 0.2218, 0.3145



70.8326, 0.2203, 0.3129



20.2537, 0.1782, 0.1556



17.7848, 0.2981, 0.3278



33.8596, 0.2204, 0.3133



2.8583, 0.2210, 0.3155

Previews

White Background



This preview shows how the Yxy color 20.0229, 0.6219, 0.3338 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 20.0229, 0.6219, 0.3338 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 20.0229, 0.6219, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 20.0229, 0.6219, 0.3338.



This preview shows how white text looks on a background with the Yxy color 20.0229, 0.6219, 0.3338.

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

20.0229, 0.6219, 0.3338

Protanopia

20.3234, 0.4194, 0.4633

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

19.9941, 0.6190, 0.3314

Trichromacy



Original Color

20.0229, 0.6219, 0.3338

Protanomaly

17.0057, 0.5154, 0.3978

Deuteranomaly

17.5253, 0.5491, 0.3978

Tritanomaly

19.9849, 0.6202, 0.3321

Monochromacy



Original Color

20.0229, 0.6219, 0.3338

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

11.3480, 0.4613, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0229, 0.6219, 0.3338 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(242, 33, 22)` looks like.

```
.text, #text, p{  
    color:rgb(242, 33, 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(242, 33, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 33, 22) }
```

Border

The CSS property to change the border of an element to Yxy 20.0229, 0.6219, 0.3338 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(242, 33, 22) }
```

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

```
.border{ border-color:rgb(242, 33, 22) }
```

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

Here you see how a box with a 4 pixel rgb(242, 33, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 33, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 33, 22);  
box-shadow:4px 4px 4px 4px rgb(242, 33,  
22) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 20.0229, 0.6219, 0.3338$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 33, 22) }
```

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

```
.background{ background-color: rgb(242, 33,  
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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