

Converting Colors

$Yxy(20.9223, 0.6214, 0.3448)$

Have a look what the booklet for
Yxy(20.9223, 0.6214, 0.3448)
contains.

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Color

Yxy(20.9103, 0.6211, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	F22F00
RGB	242, 47, 0
RGB Percent	95%, 18%, 0%
CMY	0.0510, 0.8156, 1.0000
CMYK	0.00, 0.81, 1.00, 0.05
HSL	12°, 100%, 47%
HSV	12°, 100%, 95%
XYZ	37.6337, 20.9103, 2.0480
YIQ	99.9470, 131.3070, 26.7230

Conversions

Conversions Part 2

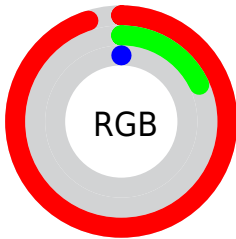
Format	Color
R_{YB}	242, 58, 0
Decimal	15871744
CIE Lab	52.85, 70.38, 65.52
CIE LCh	53, 96.159, 42.951
Yxy	20.9103, 0.6211, 0.3451
Android (android.graphics.Color)	4294061824 (0xFFFF22F00)
YUV	99.9470, -49.2739, 124.5805
Hunter-Lab	45.7278, 66.8808, 29.3540

Details

The Yxy color **20.9103, 0.6211, 0.3451** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **45.4298, 0.2068, 0.2643**, and the grayscale version is **12.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9551, 0.5375, 0.3711**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.9120, 0.6210, 0.3451**, and if you desaturate by 10%, it is **22.9014, 0.5971, 0.3528**.

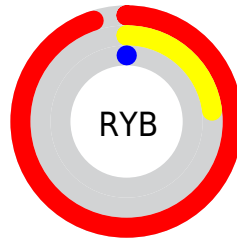
Distribution



Red (95%)

Green (18%)

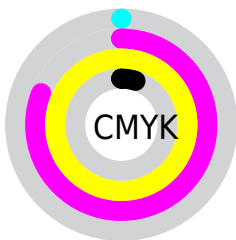
Blue (0%)



Red (95%)

Yellow (23%)

Blue (0%)

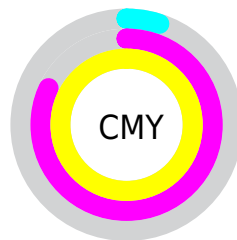


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (82%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9103, 0.6211, 0.3451 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 20.9103, 0.6211, 0.3451 by changing the saturation by 10% instead.


 20.9103, 0.6211,
0.3451


 20.9103, 0.6211,
0.3451

 256.8014, 0.4628,
0.3631


 13.0585, 0.6548,
0.3304


 44.9382, 0.5670,
0.3596

 7.4688, 0.6930,
0.3070


 61.8830, 0.5453,
0.3626


 3.7570, 0.7314,
0.2686

 82.6277, 0.5265,
0.3642

 1.5386, 0.7849,
0.2151

 107.5565, 0.5102,
0.3648

 0.3156, 0.8936,
0.1064

 137.0539, 0.4960,
0.3648


 0.0000, 1.0000,
0.0000


 171.5042, 0.4835,


 0.0000, 0.0000,


0.3644

0.0000


 211.2919, 0.4726,
0.3638


 20.9103, 0.6211,
0.3451


 20.9103, 0.6211,
0.3451


 20.9120, 0.6210,
0.3451

 22.9014, 0.5971,
0.3528

 25.7523, 0.5630,
0.3581

 29.5614, 0.5223,
0.3598

 34.4071, 0.4803,
0.3585

 40.3592, 0.4407,
0.3549

■ 47.4816, 0.4057,
0.3501

■ 55.8328, 0.3757,
0.3447

■ 65.4677, 0.3506,
0.3392

■ 76.4377, 0.3298,
0.3339

Harmonies

Analogous

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



20.9103, 0.5755, 0.2658



20.9103, 0.6211, 0.3451



20.9103, 0.5551, 0.4449

Triad

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



20.9103, 0.6211, 0.3451



20.9103, 0.1741, 0.5570



20.9103, 0.1394, 0.1189

Complementary

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



20.9103, 0.6211, 0.3451



45.4298, 0.2068, 0.2643

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.



20.9103, 0.0905, 0.1284



20.9103, 0.6211, 0.3451



20.9103, 0.0982, 0.3225

Square

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



20.9103, 0.6211, 0.3451



20.9103, 0.2952, 0.6565



20.9103, 0.0768, 0.1821



20.9103, 0.2425, 0.1403

Rectangle

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



20.9103, 0.6211, 0.3451



20.9103, 0.4747, 0.5253



20.9103, 0.0768, 0.1821



20.9103, 0.1183, 0.1184

Sweetspot

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



20.9120, 0.6210, 0.3451



62.7960, 0.3759, 0.3447



22.9373, 0.3745, 0.1837



12.5538, 0.3880, 0.3470



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.



20.9120, 0.6210, 0.3451



23.5029, 0.6214, 0.3448



45.9195, 0.4902, 0.4490



16.2559, 0.3288, 0.3337



11.3832, 0.6186, 0.3470



1.0807, 0.5946, 0.3661

Inverse Universe

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



45.4298, 0.2068, 0.2643



51.0983, 0.2067, 0.2641



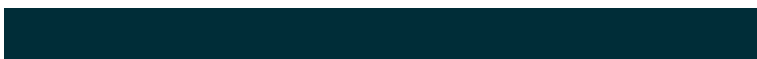
11.6673, 0.1614, 0.1009



17.3765, 0.2981, 0.3243



24.5999, 0.2071, 0.2655



2.1785, 0.2097, 0.2748

Previews

White Background



This preview shows how the Yxy color 20.9103, 0.6211, 0.3451 looks on a white background.

Color Contrast Check

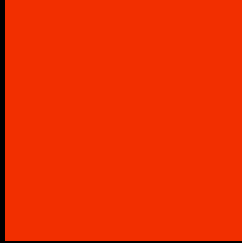
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9103, 0.6211, 0.3451 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 20.9103, 0.6211, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 20.9103, 0.6211, 0.3451.



This preview shows how white text looks on a background with the Yxy color 20.9103, 0.6211, 0.3451.

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

20.9103, 0.6211, 0.3451

Protanopia

21.1071, 0.4303, 0.4746

Deuteranopia

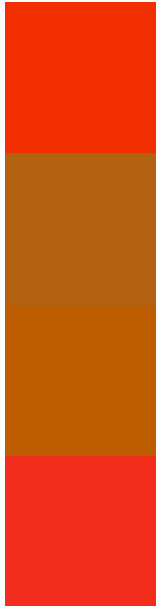
20.9065, 0.4710, 0.4642



Tritanopia

20.8530, 0.6013, 0.3304

Trichromacy



Original Color

20.9103, 0.6211, 0.3451

Protanomaly

18.3627, 0.5203, 0.4142

Deuteranomaly

18.7759, 0.5441, 0.4062

Tritanomaly

20.8331, 0.6123, 0.3379

Monochromacy



Original Color

20.9103, 0.6211, 0.3451

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.9304, 0.4645, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9103, 0.6211, 0.3451 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, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 47, 0)  
}
```

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, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 47, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.9103, 0.6211, 0.3451 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, 47, 0) }
```

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

```
.border{ border-color:rgb(242, 47, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 47, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 47, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9103, 0.6211, 0.3451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 47, 0) }
```

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

```
.background{ background-color: rgb(242, 47,  
0) }
```

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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