

Converting Colors

$Yxy(21.5869, 0.6200, 0.3209)$

Have a look what the booklet for
Yxy(21.5869, 0.6200, 0.3209)
contains.

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Color

Yxy(21.5869, 0.6200, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	FF0828
RGB	255, 8, 40
RGB Percent	100%, 3%, 16%
CMY	0.0000, 0.9680, 0.8431
CMYK	0.00, 0.97, 0.84, 0.00
HSL	352°, 100%, 52%
HSV	352°, 97%, 100%
XYZ	41.7073, 21.5869, 3.9756
YIQ	85.5010, 136.9400, 62.3160

Conversions

Conversions Part 2

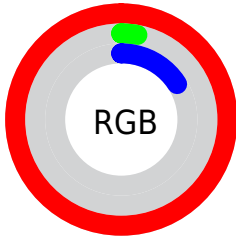
Format	Color
R_{YB}	255, 8, 40
Decimal	16713768
CIE Lab	53.59, 80.01, 53.62
CIE LCh	54, 96.320, 33.830
Yxy	21.5869, 0.6200, 0.3209
Android (android.graphics.Color)	4294903848 (0xFFFF0828)
YUV	85.5010, -22.4320, 148.6506
Hunter-Lab	46.4617, 78.9263, 27.4498

Details

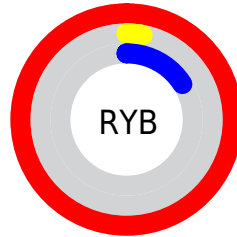
The Yxy color **21.5869, 0.6200, 0.3209** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **76.9018, 0.2362, 0.3692**, and the grayscale version is **9.2406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8718, 0.5224, 0.3401**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3673, 0.6266, 0.3226**, and if you desaturate by 10%, it is **22.7325, 0.5916, 0.3152**.

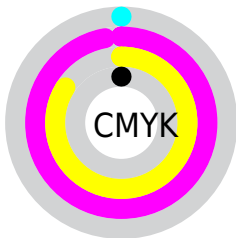
Distribution



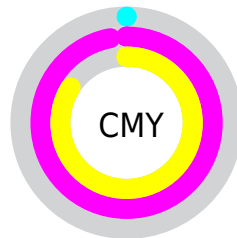
- Red (100%)
- Green (3%)
- Blue (16%)



- Red (100%)
- Yellow (3%)
- Blue (16%)



- Cyan (0%)
- Magenta (97%)
- Yellow (84%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5869, 0.6200, 0.3209 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 21.5869, 0.6200, 0.3209 by changing the saturation by 10% instead.


 21.5869, 0.6200,
0.3209


 21.5869, 0.6200,
0.3209


260.3813, 0.4574,
0.3460


 13.5537, 0.6571,
0.3065


 46.0623, 0.5621,
0.3361


 7.8109, 0.7038,
0.2852


 63.2732, 0.5396,
0.3400


 3.9742, 0.7508,
0.2492

 84.3122, 0.5205,
0.3425

 1.6591, 0.8038,
0.1962

 109.5636, 0.5042,
0.3441

 0.3970, 0.8949,
0.1051

 139.4118, 0.4900,
0.3450

 0.0000, 1.0000,
0.0000

 174.2412, 0.4777,

 0.0000, 0.0000,

0.3456

0.0000

214.4363, 0.4670,
0.3459

■ 21.5869, 0.6200,
0.3209

■ 21.5869, 0.6200,
0.3209

■ 21.3673, 0.6266,
0.3226

■ 22.7325, 0.5916,
0.3152

■ 25.0483, 0.5523,
0.3114

■ 28.7539, 0.5079,
0.3101

■ 34.0228, 0.4641,
0.3110

■ 41.0033, 0.4247,
0.3133

■ 49.8264, 0.3911,
0.3165

■ 60.6100, 0.3634,
0.3200

■ 73.4626, 0.3410,
0.3235

■ 88.4846, 0.3229,
0.3268

Harmonies

Analogous

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



21.5869, 0.5323, 0.2433



21.5869, 0.6200, 0.3209



21.5869, 0.5812, 0.4109

Triad

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



21.5869, 0.6200, 0.3209



21.5869, 0.2095, 0.6112



21.5869, 0.1210, 0.1194

Complementary

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



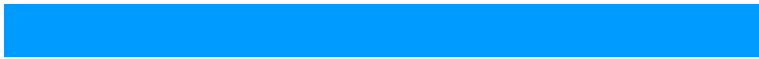
21.5869, 0.6200, 0.3209



76.9018, 0.2362, 0.3692

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.



21.5869, 0.0841, 0.1399



21.5869, 0.6200, 0.3209



21.5869, 0.1160, 0.3888

Square

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



21.5869, 0.6200, 0.3209



21.5869, 0.3360, 0.6384



21.5869, 0.0802, 0.2140



21.5869, 0.2049, 0.1316

Rectangle

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



21.5869, 0.6200, 0.3209



21.5869, 0.5127, 0.4873



21.5869, 0.0802, 0.2140



21.5869, 0.1045, 0.1222

Sweetspot

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



21.5883, 0.6200, 0.3209



58.0716, 0.3690, 0.3192



22.9383, 0.2879, 0.1368



11.4330, 0.3807, 0.3177



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.



21.5883, 0.6200, 0.3209



21.3692, 0.6266, 0.3226



30.1354, 0.5751, 0.3791



18.0252, 0.3274, 0.3260



11.1776, 0.6239, 0.3211



1.0996, 0.5989, 0.3073

Inverse Universe

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



21.5883, 0.6200, 0.3209



21.3692, 0.6266, 0.3226



33.9962, 0.1910, 0.2060



18.0252, 0.3274, 0.3260



11.1776, 0.6239, 0.3211



1.0996, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 21.5869, 0.6200, 0.3209 looks on a white background.

Color Contrast Check

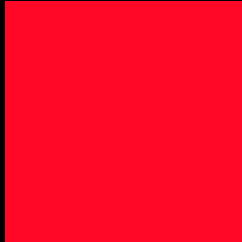
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5869, 0.6200, 0.3209 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 21.5869, 0.6200, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 21.5869, 0.6200, 0.3209.



This preview shows how white text looks on a background with the Yxy color 21.5869, 0.6200, 0.3209.

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

21.5869, 0.6200, 0.3209

Protanopia

21.9218, 0.4008, 0.4365

Deuteranopia

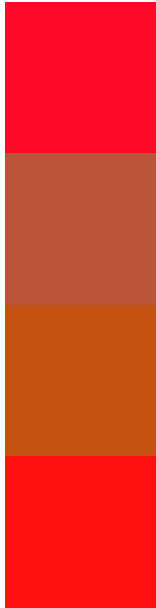
21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.5869, 0.6200, 0.3209

Protanomaly

16.9729, 0.5107, 0.3653

Deuteranomaly

17.6551, 0.5614, 0.3842

Tritanomaly

21.5379, 0.6320, 0.3306

Monochromacy



Original Color

21.5869, 0.6200, 0.3209

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.6588, 0.4716, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5869, 0.6200, 0.3209 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(255, 8, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 40)  
}
```

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(255, 8, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 40) }
```

Border

The CSS property to change the border of an element to Yxy 21.5869, 0.6200, 0.3209 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(255, 8, 40) }
```

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

```
.border{ border-color:rgb(255, 8, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 8, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 8, 40)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5869, 0.6200, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 40) }
```

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

```
.background{ background-color: rgb(255, 8,  
40) }
```

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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