

Converting Colors

$Yxy(20.2945, 0.5972, 0.2989)$

Have a look what the booklet for
Yxy(20.2945, 0.5972, 0.2989)
contains.

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Color

Yxy(20.9145, 0.5920, 0.3035)

Conversions

Conversions Part 1

Format	Color
Hex	FB0043
RGB	251, 0, 67
RGB Percent	98%, 0%, 26%
CMY	0.0157, 0.9995, 0.7371
CMYK	0.00, 1.00, 0.73, 0.02
HSL	344°, 100%, 49%
HSV	344°, 100%, 98%
XYZ	40.7953, 20.9145, 7.2012
YIQ	82.6870, 128.0890, 74.0490

Conversions

Conversions Part 2

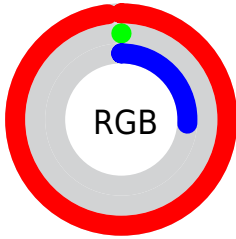
Format	Color
RYB	251, 0, 67
Decimal	16449603
CIELab	52.86, 80.37, 37.84
CIElCh	53, 88.830, 25.210
Yxy	20.9145, 0.5920, 0.3035
Android (android.graphics.Color)	4294639683 (0xFFFB0043)
YUV	82.6870, -7.7337, 147.6105
Hunter-Lab	45.7324, 79.1984, 22.6766

Details

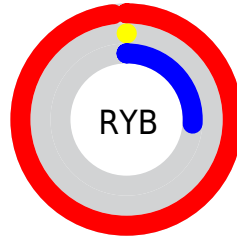
The Yxy color **20.9145, 0.5920, 0.3035** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **72.4540, 0.2499, 0.4195**, and the grayscale version is **8.5949, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0472, 0.4895, 0.3126**, and **10.3845, 0.6224, 0.3202** is the 20% darker color. If you saturate the color by 10%, you get **20.9121, 0.5921, 0.3036**, and if you desaturate by 10%, it is **21.8751, 0.5619, 0.2941**.

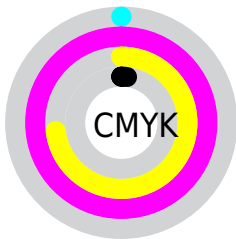
Distribution



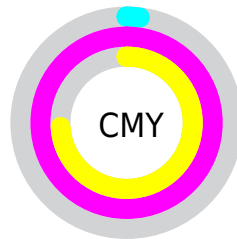
- Red (98%)
- Green (0%)
- Blue (26%)



- Red (98%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9145, 0.5920, 0.3035 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 20.9145, 0.5920, 0.3035 by changing the saturation by 10% instead.


 20.9145, 0.5920,
0.3035


 20.9145, 0.5920,
0.3035


256.8238, 0.4386,
0.3308


 13.0615, 0.6311,
0.2908


 44.9452, 0.5347,
0.3177

 7.4709, 0.6796,
0.2711


 61.8917, 0.5134,
0.3217


 3.7583, 0.7496,
0.2433

 82.6382, 0.4956,
0.3245

 1.5393, 0.8092,
0.1908

 107.5690, 0.4806,
0.3266

 0.3162, 0.9104,
0.0896

 137.0686, 0.4678,
0.3281

 0.0000, 1.0000,
0.0000

 171.5213, 0.4567,

 0.0000, 0.0000,

0.3293

0.0000

211.3116, 0.4471,
0.3301

■ 20.9145, 0.5920,
0.3035

■ 20.9145, 0.5920,
0.3035

■ 20.9121, 0.5921,
0.3036

■ 21.8751, 0.5619,
0.2941

■ 23.8124, 0.5257,
0.2883

■ 27.0079, 0.4870,
0.2869

■ 31.6342, 0.4495,
0.2892

■ 37.8365, 0.4157,
0.2942

■ 45.7421, 0.3865,
0.3008

■ 55.4651, 0.3621,
0.3080

■ 67.1096, 0.3421,
0.3153

■ 80.7721, 0.3259,
0.3224

Harmonies

Analogous

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



20.9145, 0.4742, 0.2280



20.9145, 0.5920, 0.3035



20.9145, 0.5894, 0.3864

Triad

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



20.9145, 0.5920, 0.3035



20.9145, 0.2528, 0.6201



20.9145, 0.1148, 0.1303

Complementary

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



20.9145, 0.5920, 0.3035



72.4540, 0.2499, 0.4195

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.



20.9145, 0.0885, 0.1633



20.9145, 0.5920, 0.3035



20.9145, 0.1476, 0.4493

Square

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



20.9145, 0.5920, 0.3035



20.9145, 0.3787, 0.5998



20.9145, 0.0953, 0.2587



20.9145, 0.1817, 0.1334

Rectangle

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



20.9145, 0.5920, 0.3035



20.9145, 0.5381, 0.4539



20.9145, 0.0953, 0.2587



20.9145, 0.1023, 0.1366

Sweetspot

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



20.9158, 0.5920, 0.3035



57.4191, 0.3623, 0.3079



16.6598, 0.2490, 0.1145



11.3303, 0.3720, 0.3048



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.



20.9158, 0.5920, 0.3035



21.6775, 0.5923, 0.3037



23.1908, 0.6172, 0.3481



17.3012, 0.3252, 0.3227



11.0136, 0.5880, 0.3013



1.0368, 0.5546, 0.2829

Inverse Universe

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



20.9158, 0.5920, 0.3035



21.6775, 0.5923, 0.3037



46.7327, 0.2045, 0.2563



17.3012, 0.3252, 0.3227



11.0136, 0.5880, 0.3013



1.0368, 0.5546, 0.2829

Previews

White Background



This preview shows how the Yxy color 20.9145, 0.5920, 0.3035 looks on a white background.

Color Contrast Check

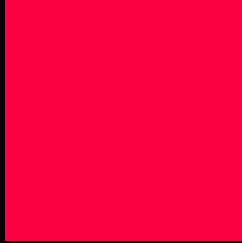
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9145, 0.5920, 0.3035 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 20.9145, 0.5920, 0.3035

Background



This preview shows how black text looks on a background with the Yxy color 20.9145, 0.5920, 0.3035.



This preview shows how white text looks on a background with the Yxy color 20.9145, 0.5920, 0.3035.

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

20.9145, 0.5920, 0.3035

Protanopia

21.3331, 0.3548, 0.3776

Deuteranopia

21.2102, 0.4386, 0.4306



Tritanopia

21.2050, 0.6262, 0.3323

Trichromacy



Original Color

20.9145, 0.5920, 0.3035

Protanomaly

16.0544, 0.4591, 0.3196

Deuteranomaly

16.8300, 0.5238, 0.3501

Tritanomaly

20.8902, 0.6194, 0.3237

Monochromacy



Original Color

20.9145, 0.5920, 0.3035

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.0113, 0.4532, 0.2894

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9145, 0.5920, 0.3035 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(251, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 67)  
}
```

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(251, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 20.9145, 0.5920, 0.3035 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(251, 0, 67) }
```

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

```
.border{ border-color:rgb(251, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(251, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(251, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9145, 0.5920, 0.3035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 67) }
```

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

```
.background{ background-color: rgb(251, 0,  
67) }
```

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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