

Converting Colors

$Yxy(19.3961, 0.6374, 0.3285)$

Have a look what the booklet for
Yxy(19.3961, 0.6374, 0.3285)
contains.

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Color

Yxy(19.4322, 0.6374, 0.3285)

Conversions

Conversions Part 1

Format	Color
Hex	F50009
RGB	245, 0, 9
RGB Percent	96%, 0%, 4%
CMY	0.0392, 0.9997, 0.9654
CMYK	0.00, 1.00, 0.96, 0.04
HSL	358°, 100%, 48%
HSV	358°, 100%, 96%
XYZ	37.7050, 19.4322, 2.0172
YIQ	74.2810, 143.1310, 54.7390

Conversions

Conversions Part 2

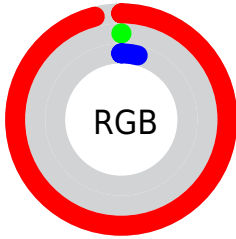
Format	Color
R_{YB}	245, 0, 9
Decimal	16056329
CIE _{Lab}	51.19, 77.78, 62.92
CIE _{LCh}	51, 100.044, 38.973
Yxy	19.4322, 0.6374, 0.3285
Android (android.graphics.Color)	4294246409 (0xFFFF50009)
YUV	74.2810, -32.1835, 149.7206
Hunter-Lab	44.0820, 75.5344, 28.1443

Details

The Yxy color **19.4322, 0.6374, 0.3285** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **71.3754, 0.2278, 0.3399**, and the grayscale version is **6.9446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.6243, 0.5509, 0.3537**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.4317, 0.6374, 0.3285**, and if you desaturate by 10%, it is **20.1965, 0.6197, 0.3271**.

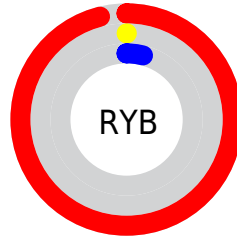
Distribution



Red (96%)

Green (0%)

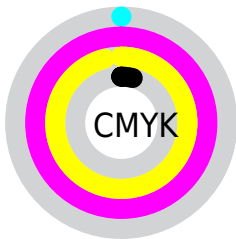
Blue (4%)



Red (96%)

Yellow (0%)

Blue (4%)

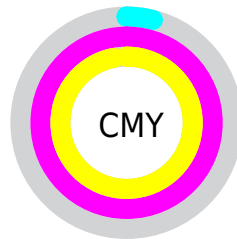


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (4%)



Cyan (4%)


Magenta (100%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4322, 0.6374, 0.3285 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 19.4322, 0.6374, 0.3285 by changing the saturation by 10% instead.


 19.4322, 0.6374,
0.3285


 19.4322, 0.6374,
0.3285


248.8245, 0.4687,
0.3559


 11.9830, 0.6739,
0.3114


 42.4631, 0.5792,
0.3466


 6.7321, 0.7152,
0.2848


 58.8137, 0.5560,
0.3509

 3.2951, 0.7569,
0.2431

 78.9001, 0.5360,
0.3536

 1.2877, 0.8140,
0.1860

 103.1068, 0.5187,
0.3551

 0.1316, 0.9529,
0.0471

 131.8182, 0.5036,
0.3559


 0.0000, 1.0000,
0.0000


 165.4187, 0.4905,


 0.0000, 0.0000,

0.3562


0.0000


 204.2926, 0.4789,
0.3562


 19.4322, 0.6374,
0.3285


 19.4322, 0.6374,
0.3285


 19.4317, 0.6374,
0.3285

 20.1965, 0.6197,
0.3271

 21.9017, 0.5868,
0.3256

 24.8283, 0.5428,
0.3246

 29.1478, 0.4953,
0.3244

 35.0043, 0.4501,
0.3248

■ 42.5239, 0.4106,
0.3255

■ 51.8199, 0.3778,
0.3263

■ 62.9954, 0.3511,
0.3273

■ 76.1457, 0.3297,
0.3282

Harmonies

Analogous

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



19.4322, 0.5735, 0.2501



19.4322, 0.6374, 0.3285



19.4322, 0.5744, 0.4256

Triad

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



19.4322, 0.6374, 0.3285



19.4322, 0.1788, 0.6048



19.4322, 0.1231, 0.1106

Complementary

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



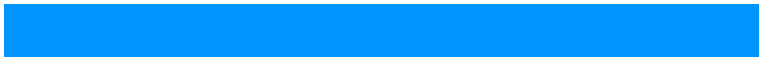
19.4322, 0.6374, 0.3285



71.3754, 0.2278, 0.3399

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.



19.4322, 0.0793, 0.1242



19.4322, 0.6374, 0.3285



19.4322, 0.0949, 0.3493

Square

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



19.4322, 0.6374, 0.3285



19.4322, 0.3052, 0.6696



19.4322, 0.0692, 0.1861



19.4322, 0.2198, 0.1282

Rectangle

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



19.4322, 0.6374, 0.3285



19.4322, 0.4919, 0.5081



19.4322, 0.0692, 0.1861



19.4322, 0.1039, 0.1114

Sweetspot

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



19.4335, 0.6374, 0.3285



56.6460, 0.3780, 0.3263



23.8764, 0.3082, 0.1472



11.1532, 0.3912, 0.3259



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.



19.4335, 0.6374, 0.3285



21.2800, 0.6376, 0.3286



30.6275, 0.5581, 0.3951



16.4921, 0.3288, 0.3282



10.4725, 0.6363, 0.3279



0.9237, 0.6270, 0.3227

Inverse Universe

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



19.4335, 0.6374, 0.3285



21.2800, 0.6376, 0.3286



23.8607, 0.1812, 0.1721



16.4921, 0.3288, 0.3282



10.4725, 0.6363, 0.3279



0.9237, 0.6270, 0.3227

Previews

White Background



This preview shows how the Yxy color 19.4322, 0.6374, 0.3285 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



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 19.4322, 0.6374, 0.3285

Background



This preview shows how black text looks on a background with the Yxy color 19.4322, 0.6374, 0.3285.



This preview shows how white text looks on a background with the Yxy color 19.4322, 0.6374, 0.3285.

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

19.4322, 0.6374, 0.3285

Protanopia

20.0198, 0.4261, 0.4701

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.6675, 0.6342, 0.3347

Trichromacy



Original Color

19.4322, 0.6374, 0.3285



Protanomaly

15.1271, 0.5445, 0.3862



Deuteranomaly

15.5955, 0.5705, 0.3834



Tritanomaly

19.5813, 0.6359, 0.3321

Monochromacy



Original Color

19.4322, 0.6374, 0.3285



Achromatopsia

6.8478, 0.3127, 0.3290



Achromatomaly

7.4976, 0.5087, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4322, 0.6374, 0.3285 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(245, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 9)  
}
```

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(245, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 9) }
```

Border

The CSS property to change the border of an element to Yxy 19.4322, 0.6374, 0.3285 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(245, 0, 9) }
```

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

```
.border{ border-color:rgb(245, 0, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 0, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(245, 0, 9); box-shadow:4px  
4px 4px 4px rgb(245, 0, 9) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4322, 0.6374, 0.3285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 9) }
```

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

```
.background{ background-color: rgb(245, 0,  
9) }
```

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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