

Converting Colors

$Yxy(20.9015, 0.6376, 0.3286)$

Have a look what the booklet for
 $Y_{xy}(20.9015, 0.6376, 0.3286)$
contains.

$Y_{xy}(20.9024, 0.6375, 0.3286)$	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(20.9024, 0.6375, 0.3286)

Conversions

Conversions Part 1

Format	Color
Hex	FD0009
RGB	253, 0, 9
RGB Percent	99%, 0%, 4%
CMY	0.0079, 0.9990, 0.9646
CMYK	0.00, 1.00, 0.96, 0.01
HSL	358°, 100%, 50%
HSV	358°, 100%, 99%
XYZ	40.5517, 20.9024, 2.1564
YIQ	76.6730, 147.8990, 56.4350

Conversions

Conversions Part 2

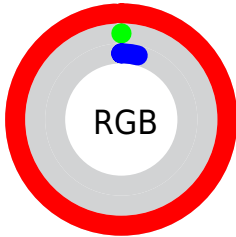
Format	Color
RYB	253, 0, 9
Decimal	16580617
CIELab	52.84, 79.67, 64.58
CIELCh	53, 102.562, 39.028
Yxy	20.9024, 0.6375, 0.3286
Android (android.graphics.Color)	4294770697 (0xFFFD0009)
YUV	76.6730, -33.3628, 154.6388
Hunter-Lab	45.7191, 78.3163, 29.2069

Details

The Yxy color **20.9024, 0.6375, 0.3286** 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 **76.7823, 0.2277, 0.3396**, and the grayscale version is **7.4283, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9846, 0.5491, 0.3555**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.8977, 0.6376, 0.3286**, and if you desaturate by 10%, it is **21.7099, 0.6201, 0.3272**.

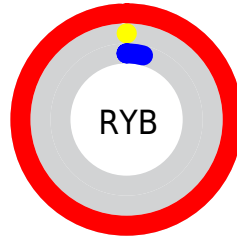
Distribution



Red (99%)

Green (0%)

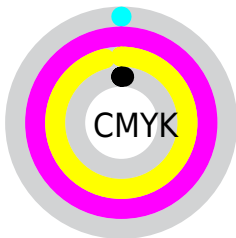
Blue (4%)



Red (99%)

Yellow (0%)

Blue (4%)

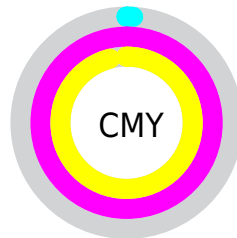


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (1%)



Cyan (1%)


Magenta (100%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.9024, 0.6375, 0.3286 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 20.9024, 0.6375, 0.3286 by changing the saturation by 10% instead.


 20.9024, 0.6375,
0.3286


 20.9024, 0.6375,
0.3286


256.7594, 0.4709,
0.3561


 13.0527, 0.6727,
0.3118


 44.9250, 0.5806,
0.3465

 7.4648, 0.7134,
0.2866


 61.8668, 0.5577,
0.3508

 3.7545, 0.7534,
0.2466

 82.6079, 0.5379,
0.3535

 1.5372, 0.8077,
0.1923

 107.5329, 0.5207,
0.3551

 0.3147, 0.9096,
0.0904

 137.0262, 0.5058,
0.3559


 0.0000, 1.0000,
0.0000


 171.4721, 0.4927,


 0.0000, 0.0000,

0.3563


0.0000


 211.2550, 0.4811,
0.3563


 20.9024, 0.6375,
0.3286

 20.9024, 0.6375,
0.3286


 20.8977, 0.6376,
0.3286

 21.7099, 0.6201,
0.3272

 23.5371, 0.5872,
0.3257

 26.6812, 0.5433,
0.3248

 31.3277, 0.4956,
0.3246

 37.6328, 0.4503,
0.3249

■ 45.7329, 0.4108,
0.3256

■ 55.7502, 0.3778,
0.3264

■ 67.7965, 0.3511,
0.3273

■ 81.9748, 0.3296,
0.3282

Harmonies

Analogous

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



20.9024, 0.5739, 0.2502



20.9024, 0.6375, 0.3286



20.9024, 0.5742, 0.4258

Triad

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



20.9024, 0.6375, 0.3286



20.9024, 0.1785, 0.6046



20.9024, 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.



20.9024, 0.6375, 0.3286



76.7823, 0.2277, 0.3396

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.



20.9024, 0.0793, 0.1240



20.9024, 0.6375, 0.3286



20.9024, 0.0948, 0.3489

Square

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



20.9024, 0.6375, 0.3286



20.9024, 0.3048, 0.6696



20.9024, 0.0691, 0.1859



20.9024, 0.2200, 0.1282

Rectangle

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



20.9024, 0.6375, 0.3286



20.9024, 0.4917, 0.5083



20.9024, 0.0691, 0.1859



20.9024, 0.1039, 0.1113

Sweetspot

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



20.9038, 0.6375, 0.3286



56.6427, 0.3781, 0.3264



25.6810, 0.3082, 0.1472



11.1525, 0.3913, 0.3260



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.



20.9038, 0.6375, 0.3286



21.2794, 0.6376, 0.3286



32.9090, 0.5582, 0.3949



17.9973, 0.3289, 0.3282



11.1234, 0.6366, 0.3280



1.0865, 0.6283, 0.3235

Inverse Universe

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



20.9038, 0.6375, 0.3286



21.2794, 0.6376, 0.3286



25.6303, 0.1811, 0.1719



17.9973, 0.3289, 0.3282



11.1234, 0.6366, 0.3280



1.0865, 0.6283, 0.3235

Previews

White Background



This preview shows how the Yxy color 20.9024, 0.6375, 0.3286 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 20.9024, 0.6375, 0.3286

Background



This preview shows how black text looks on a background with the Yxy color 20.9024, 0.6375, 0.3286.



This preview shows how white text looks on a background with the Yxy color 20.9024, 0.6375, 0.3286.

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

20.9024, 0.6375, 0.3286

Protanopia

21.3993, 0.4257, 0.4708

Tritanopia

21.1220, 0.6346, 0.3343

Trichromacy



Original Color

20.9024, 0.6375, 0.3286

Protanomaly

16.1764, 0.5437, 0.3869

Tritanomaly

21.0437, 0.6362, 0.3319

Monochromacy



Original Color

20.9024, 0.6375, 0.3286

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

8.1073, 0.5090, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9024, 0.6375, 0.3286 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(253, 0, 9)` looks like.

```
.text, #text, p{  
    color:rgb(253, 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(253, 0, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 0, 9) }
```

Border

The CSS property to change the border of an element to Yxy 20.9024, 0.6375, 0.3286 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(253, 0, 9) }
```

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

```
.border{ border-color:rgb(253, 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(253, 0, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(253, 0, 9); box-shadow:4px  
4px 4px 4px rgb(253, 0, 9) }
```

Background

The CSS property to change the background color of an element to Yxy 20.9024, 0.6375, 0.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 0, 9) }
```

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

```
.background{ background-color: rgb(253, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor