

Converting Colors

$Y_{xy}(21.3756, 0.6258, 0.3221)$

Have a look what the booklet for
Yxy(21.3756, 0.6258, 0.3221)
contains.

Yxy(21.3755, 0.6259, 0.3221)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	28

Color

Yxy(21.3755, 0.6259, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	FF0022
RGB	255, 0, 34
RGB Percent	100%, 0%, 13%
CMY	0.0000, 1.0000, 0.8666
CMYK	0.00, 1.00, 0.87, 0.00
HSL	352°, 100%, 50%
HSV	352°, 100%, 100%
XYZ	41.5366, 21.3755, 3.4509
YIQ	80.1210, 141.0660, 64.6340

Conversions

Conversions Part 2

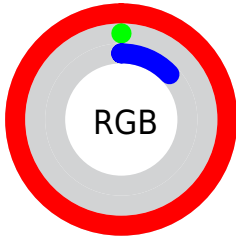
Format	Color
RYB	255, 0, 34
Decimal	16711714
CIELab	53.36, 80.48, 56.29
CIELCh	53, 98.208, 34.972
Yxy	21.3755, 0.6259, 0.3221
Android (android.graphics.Color)	4294901794 (0xFFFF0022)
YUV	80.1210, -22.7377, 153.3689
Hunter-Lab	46.2336, 79.4565, 27.9382

Details

The Yxy color **21.3755, 0.6259, 0.3221** 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 **76.7398, 0.2367, 0.3722**, and the grayscale version is **8.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4186, 0.5295, 0.3424**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3756, 0.6259, 0.3221**, and if you desaturate by 10%, it is **22.2634, 0.6011, 0.3162**.

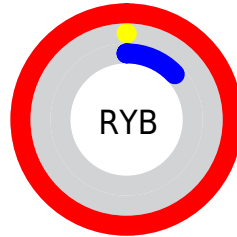
Distribution



Red (100%)

Green (0%)

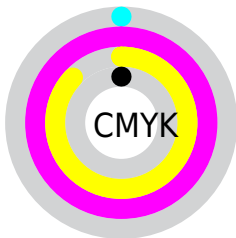
Blue (13%)



Red (100%)

Yellow (0%)

Blue (13%)

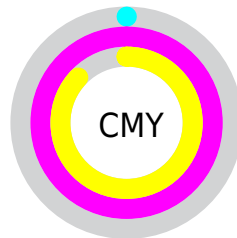


Cyan (0%)

Magenta (100%)

Yellow (87%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3755, 0.6259, 0.3221 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 21.3755, 0.6259, 0.3221 by changing the saturation by 10% instead.


 21.3755, 0.6259,
0.3221


 21.3755, 0.6259,
0.3221


259.2674, 0.4613,
0.3481


 13.3988, 0.6626,
0.3069


 45.7116, 0.5678,
0.3381


 7.7037, 0.7111,
0.2857


 62.8398, 0.5451,
0.3421

 3.9059, 0.7529,
0.2471

 83.7873, 0.5257,
0.3447

 1.6211, 0.8063,
0.1937

 108.9384, 0.5091,
0.3463

 0.3718, 0.9001,
0.0999

 138.6776, 0.4947,
0.3473

 0.0000, 1.0000,
0.0000


 173.3892, 0.4821,


 0.0000, 0.0000,


0.3479


0.0000


 213.4577, 0.4711,
0.3481


 21.3755, 0.6259,
0.3221


 21.3755, 0.6259,
0.3221

 21.3756, 0.6259,
0.3221

 22.2634, 0.6011,
0.3162

 24.1807, 0.5646,
0.3116

 27.4241, 0.5212,
0.3096

 32.1780, 0.4769,
0.3098

 38.5973, 0.4361,
0.3119

■ 46.8179, 0.4007,
0.3149

■ 56.9614, 0.3713,
0.3185

■ 69.1390, 0.3474,
0.3221

■ 83.4533, 0.3282,
0.3257

Harmonies

Analogous

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



21.3755, 0.5427, 0.2442



21.3755, 0.6259, 0.3221



21.3755, 0.5817, 0.4142

Triad

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



21.3755, 0.6259, 0.3221



21.3755, 0.2018, 0.6128



21.3755, 0.1205, 0.1166

Complementary

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



21.3755, 0.6259, 0.3221



76.7398, 0.2367, 0.3722

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.



21.3755, 0.0822, 0.1354



21.3755, 0.6259, 0.3221



21.3755, 0.1101, 0.3806

Square

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



21.3755, 0.6259, 0.3221



21.3755, 0.3288, 0.6468



21.3755, 0.0767, 0.2068



21.3755, 0.2073, 0.1300

Rectangle

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



21.3755, 0.6259, 0.3221



21.3755, 0.5086, 0.4914



21.3755, 0.0767, 0.2068



21.3755, 0.1035, 0.1188

Sweetspot

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



21.3756, 0.6259, 0.3221



56.9614, 0.3713, 0.3185



21.9334, 0.2825, 0.1330



11.2249, 0.3830, 0.3170



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.



21.3756, 0.6259, 0.3221



28.4464, 0.5868, 0.3723



18.0265, 0.3273, 0.3259



11.1812, 0.6231, 0.3206



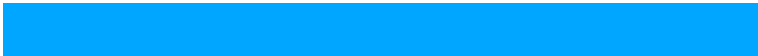
1.1003, 0.5977, 0.3066

Inverse Universe

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



21.3756, 0.6259, 0.3221



34.4016, 0.1910, 0.2077



18.0265, 0.3273, 0.3259



11.1812, 0.6231, 0.3206



1.1003, 0.5977, 0.3066

Previews

White Background



This preview shows how the Yxy color 21.3755, 0.6259, 0.3221 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 21.3755, 0.6259, 0.3221 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 21.3755, 0.6259, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 21.3755, 0.6259, 0.3221.



This preview shows how white text looks on a background with the Yxy color 21.3755, 0.6259, 0.3221.

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

21.3755, 0.6259, 0.3221

Protanopia

21.8356, 0.4082, 0.4476

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.3755, 0.6259, 0.3221



Protanomaly

16.4467, 0.5229, 0.3685



Deuteranomaly

17.2111, 0.5668, 0.3817



Tritanomaly

21.4390, 0.6337, 0.3305

Monochromacy



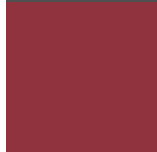
Original Color

21.3755, 0.6259, 0.3221



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.6558, 0.4869, 0.3103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3755, 0.6259, 0.3221 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, 0, 34)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 34)  
}
```

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, 0, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 34) }
```

Border

The CSS property to change the border of an element to Yxy 21.3755, 0.6259, 0.3221 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, 0, 34) }
```

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

```
.border{ border-color:rgb(255, 0, 34) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 34);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 34)  
}
```

Background

The CSS property to change the background color of an element to Yxy 21.3755, 0.6259, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 34) }
```

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

```
.background{ background-color: rgb(255, 0,  
34) }
```

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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