

Converting Colors

$Y_{xy}(21.3704, 0.6265, 0.3225)$

Have a look what the booklet for
Yxy(21.3704, 0.6265, 0.3225)
contains.

Yxy(21.3698, 0.6265, 0.3225)	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>	30

Color

Yxy(21.3698, 0.6265, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	FF0021
RGB	255, 0, 33
RGB Percent	100%, 0%, 13%
CMY	0.0000, 0.9996, 0.8704
CMYK	0.00, 1.00, 0.87, 0.00
HSL	352°, 100%, 50%
HSV	352°, 100%, 100%
XYZ	41.5137, 21.3698, 3.3794
YIQ	80.0070, 141.3870, 64.3230

Conversions

Conversions Part 2

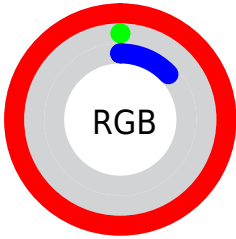
Format	Color
R_{YB}	255, 0, 33
Decimal	16711713
CIE Lab	53.35, 80.43, 56.72
CIE LCh	53, 98.420, 35.191
Yxy	21.3698, 0.6265, 0.3225
Android (android.graphics.Color)	4294901793 (0xFFFF0021)
YUV	80.0070, -23.1745, 153.4689
Hunter-Lab	46.2275, 79.4005, 28.0249

Details

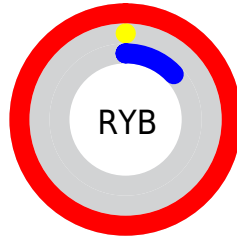
The Yxy color **21.3698, 0.6265, 0.3225** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **76.7931, 0.2363, 0.3708**, and the grayscale version is **8.0616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4035, 0.5306, 0.3432**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3685, 0.6266, 0.3225**, and if you desaturate by 10%, it is **22.2584, 0.6019, 0.3168**.

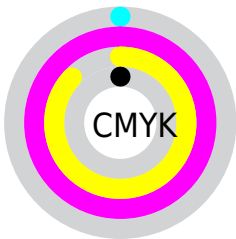
Distribution



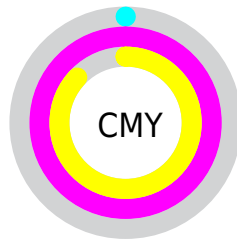
- Red (100%)
- Green (0%)
- Blue (13%)



- 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 21.3698, 0.6265, 0.3225 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 21.3698, 0.6265, 0.3225 by changing the saturation by 10% instead.


 21.3698, 0.6265,
0.3225


 21.3698, 0.6265,
0.3225


259.2373, 0.4618,
0.3485


 13.3946, 0.6631,
0.3072


 45.7022, 0.5685,
0.3386


 7.7008, 0.7118,
0.2861


 62.8281, 0.5457,
0.3426

 3.9041, 0.7528,
0.2472

 83.7731, 0.5264,
0.3452

 1.6201, 0.8062,
0.1938

 108.9215, 0.5097,
0.3468

 0.3711, 0.9001,
0.0999

 138.6577, 0.4952,
0.3478

 0.0000, 1.0000,
0.0000


 173.3662, 0.4826,


 0.0000, 0.0000,


0.3483


0.0000


 213.4312, 0.4716,
0.3485


 21.3698, 0.6265,
0.3225


 21.3698, 0.6265,
0.3225


 21.3685, 0.6266,
0.3225


 22.2584, 0.6019,
0.3168


 24.1776, 0.5655,
0.3123


 27.4243, 0.5220,
0.3102


 32.1828, 0.4776,
0.3105

 38.6082, 0.4365,
0.3124

 46.8363, 0.4010,
0.3154

 56.9889, 0.3715,
0.3188

 69.1772, 0.3475,
0.3224

 83.5039, 0.3282,
0.3258

Harmonies

Analogous

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



21.3698, 0.5443, 0.2446



21.3698, 0.6265, 0.3225



21.3698, 0.5815, 0.4149

Triad

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



21.3698, 0.6265, 0.3225



21.3698, 0.2006, 0.6123



21.3698, 0.1207, 0.1163

Complementary

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



21.3698, 0.6265, 0.3225



76.7931, 0.2363, 0.3708

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.



21.3698, 0.0821, 0.1349



21.3698, 0.6265, 0.3225



21.3698, 0.1093, 0.3789

Square

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



21.3698, 0.6265, 0.3225



21.3698, 0.3276, 0.6479



21.3698, 0.0764, 0.2057



21.3698, 0.2080, 0.1299

Rectangle

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



21.3698, 0.6265, 0.3225



21.3698, 0.5077, 0.4923



21.3698, 0.0764, 0.2057



21.3698, 0.1035, 0.1185

Sweetspot

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



21.3712, 0.6265, 0.3225



56.9478, 0.3716, 0.3188



22.5953, 0.2868, 0.1354



11.2218, 0.3834, 0.3173



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.



21.3712, 0.6265, 0.3225



21.3696, 0.6266, 0.3225



29.1868, 0.5822, 0.3759



18.0253, 0.3274, 0.3260



11.1778, 0.6239, 0.3211



1.0997, 0.5989, 0.3073

Inverse Universe

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



21.3712, 0.6265, 0.3225



21.3696, 0.6266, 0.3225



32.8968, 0.1894, 0.2017



18.0253, 0.3274, 0.3260



11.1778, 0.6239, 0.3211



1.0997, 0.5989, 0.3073

Previews

White Background



This preview shows how the Yxy color 21.3698, 0.6265, 0.3225 looks on a white background.

Color Contrast Check

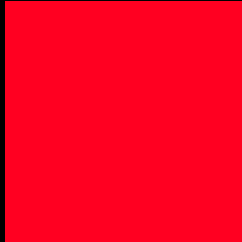
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3698, 0.6265, 0.3225 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 21.3698, 0.6265, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 21.3698, 0.6265, 0.3225.



This preview shows how white text looks on a background with the Yxy color 21.3698, 0.6265, 0.3225.

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

21.3698, 0.6265, 0.3225

Protanopia

21.8257, 0.4091, 0.4489

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.3698, 0.6265, 0.3225



Protanomaly

16.4383, 0.5240, 0.3694



Deuteranomaly

17.2111, 0.5668, 0.3817



Tritanomaly

21.4390, 0.6337, 0.3305

Monochromacy



Original Color

21.3698, 0.6265, 0.3225



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 21.3698, 0.6265, 0.3225 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, 33)` looks like.

```
.text, #text, p{  
  color:rgb(255, 0, 33)  
}
```

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, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 33) }
```

Border

The CSS property to change the border of an element to Yxy 21.3698, 0.6265, 0.3225 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, 33) }
```

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

```
.border{ border-color:rgb(255, 0, 33) }
```

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, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.3698, 0.6265, 0.3225 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, 33) }
```

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

```
.background{ background-color: rgb(255, 0,  
33) }
```

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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