

Converting Colors

$Yxy(21.5199, 0.6251, 0.3234)$

Have a look what the booklet for
Yxy(21.5199, 0.6251, 0.3234)
contains.

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Color

Yxy(21.5218, 0.6253, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	FF0721
RGB	255, 7, 33
RGB Percent	100%, 3%, 13%
CMY	0.0000, 0.9718, 0.8707
CMYK	0.00, 0.97, 0.87, 0.00
HSL	354°, 100%, 51%
HSV	354°, 97%, 100%
XYZ	41.5871, 21.5218, 3.3985
YIQ	84.1160, 139.4620, 60.6620

Conversions

Conversions Part 2

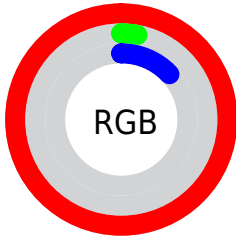
Format	Color
RYB	255, 7, 33
Decimal	16713505
CIELab	53.52, 79.95, 56.88
CIELCh	54, 98.120, 35.432
Yxy	21.5218, 0.6253, 0.3236
Android (android.graphics.Color)	4294903585 (0xFFFF0721)
YUV	84.1160, -25.2002, 149.8653
Hunter-Lab	46.3916, 78.8285, 28.1307

Details

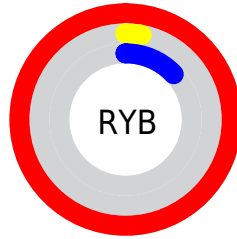
The Yxy color **21.5218, 0.6253, 0.3236** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **77.2271, 0.2340, 0.3612**, and the grayscale version is **8.9435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5894, 0.5298, 0.3441**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3347, 0.6305, 0.3247**, and if you desaturate by 10%, it is **22.6113, 0.5989, 0.3188**.

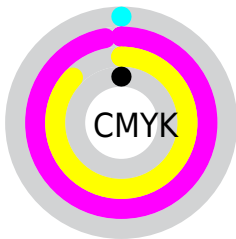
Distribution



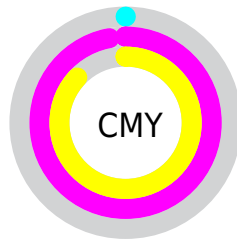
- Red (100%)
- Green (3%)
- Blue (13%)



- Red (100%)
- Yellow (3%)
- Blue (13%)



- Cyan (0%)
- Magenta (97%)
- Yellow (87%)
- Black (0%)





- Cyan (0%)
- Magenta (97%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5218, 0.6253, 0.3236 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 21.5218, 0.6253, 0.3236 by changing the saturation by 10% instead.


 21.5218, 0.6253,
0.3236


 21.5218, 0.6253,
0.3236


260.0387, 0.4614,
0.3490


 13.5060, 0.6617,
0.3085


 45.9544, 0.5676,
0.3394


 7.7779, 0.7100,
0.2876


 63.1398, 0.5450,
0.3434


 3.9531, 0.7510,
0.2490

 84.1507, 0.5257,
0.3459

 1.6474, 0.8041,
0.1959

 109.3712, 0.5090,
0.3474

 0.3892, 0.8961,
0.1039

 139.1859, 0.4947,
0.3483


 0.0000, 1.0000,
0.0000


 173.9791, 0.4821,


 0.0000, 0.0000,

0.3488


0.0000

 214.1353, 0.4711,
0.3490

 21.5218, 0.6253,
0.3236

 21.5218, 0.6253,
0.3236

 21.3347, 0.6305,
0.3247

 22.6113, 0.5989,
0.3188

 24.8612, 0.5602,
0.3154

 28.4976, 0.5153,
0.3141

 33.6963, 0.4704,
0.3146

 40.6072, 0.4295,
0.3164

■ 49.3627, 0.3946,
0.3188

■ 60.0820, 0.3658,
0.3216

■ 72.8743, 0.3425,
0.3245

■ 87.8410, 0.3238,
0.3272

Harmonies

Analogous

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



21.5218, 0.5444, 0.2457



21.5218, 0.6253, 0.3236



21.5218, 0.5799, 0.4160

Triad

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



21.5218, 0.6253, 0.3236



21.5218, 0.2005, 0.6092



21.5218, 0.1218, 0.1169

Complementary

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



21.5218, 0.6253, 0.3236



77.2271, 0.2340, 0.3612

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.



21.5218, 0.0829, 0.1352



21.5218, 0.6253, 0.3236



21.5218, 0.1097, 0.3769

Square

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



21.5218, 0.6253, 0.3236



21.5218, 0.3270, 0.6471



21.5218, 0.0770, 0.2055



21.5218, 0.2094, 0.1308

Rectangle

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



21.5218, 0.6253, 0.3236



21.5218, 0.5066, 0.4934



21.5218, 0.0770, 0.2055



21.5218, 0.1045, 0.1191

Sweetspot

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



21.5232, 0.6253, 0.3236



57.9912, 0.3706, 0.3211



23.5563, 0.2919, 0.1389



11.4145, 0.3826, 0.3199



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.



21.5232, 0.6253, 0.3236



21.3370, 0.6305, 0.3247



30.8101, 0.5714, 0.3824



18.0178, 0.3278, 0.3266



11.1590, 0.6282, 0.3234



1.0962, 0.6063, 0.3114

Inverse Universe

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



21.5232, 0.6253, 0.3236



21.3370, 0.6305, 0.3247



32.4053, 0.1891, 0.1996



18.0178, 0.3278, 0.3266



11.1590, 0.6282, 0.3234



1.0962, 0.6063, 0.3114

Previews

White Background



This preview shows how the Yxy color 21.5218, 0.6253, 0.3236 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 21.5218, 0.6253, 0.3236 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 21.5218, 0.6253, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 21.5218, 0.6253, 0.3236.



This preview shows how white text looks on a background with the Yxy color 21.5218, 0.6253, 0.3236.

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

21.5218, 0.6253, 0.3236

Protanopia

21.8257, 0.4091, 0.4489

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.5218, 0.6253, 0.3236



Protanomaly

16.9007, 0.5202, 0.3734



Deuteranomaly

17.4996, 0.5640, 0.3840



Tritanomaly

21.4983, 0.6332, 0.3309

Monochromacy



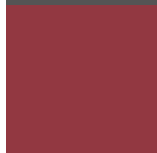
Original Color

21.5218, 0.6253, 0.3236



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

9.3210, 0.4806, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5218, 0.6253, 0.3236 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, 7, 33)` looks like.

```
.text, #text, p{  
    color:rgb(255, 7, 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, 7, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 7, 33) }
```

Border

The CSS property to change the border of an element to Yxy 21.5218, 0.6253, 0.3236 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, 7, 33) }
```

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

```
.border{ border-color:rgb(255, 7, 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, 7, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 7, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 7, 33);  
box-shadow:4px 4px 4px 4px rgb(255, 7, 33)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5218, 0.6253, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 7, 33) }
```

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

```
.background{ background-color: rgb(255, 7,  
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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