

Converting Colors

Yxy(21.4644, 0.6214, 0.3203)

Have a look what the booklet for
Yxy(21.4644, 0.6214, 0.3203)
contains.

Yxy(21.4716, 0.6217, 0.3206)	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(21.4716, 0.6217, 0.3206)

Conversions

Conversions Part 1

Format	Color
Hex	FF0327
RGB	255, 3, 39
RGB Percent	100%, 1%, 15%
CMY	0.0000, 0.9878, 0.8473
CMYK	0.00, 0.99, 0.85, 0.00
HSL	351°, 100%, 51%
HSV	351°, 99%, 100%
XYZ	41.6372, 21.4716, 3.8644
YIQ	82.4520, 138.6360, 64.6200

Conversions

Conversions Part 2

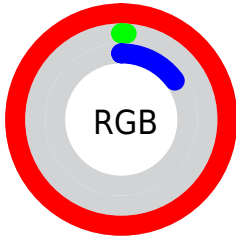
Format	Color
RYB	255, 3, 39
Decimal	16712487
CIELab	53.46, 80.33, 54.04
CIElCh	53, 96.817, 33.926
Yxy	21.4716, 0.6217, 0.3206
Android (android.graphics.Color)	4294902567 (0xFFFF0327)
YUV	82.4520, -21.4218, 151.3246
Hunter-Lab	46.3375, 79.3033, 27.4917

Details

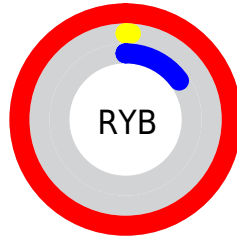
The Yxy color **21.4716, 0.6217, 0.3206** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **76.6610, 0.2375, 0.3746**, and the grayscale version is **8.5688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6673, 0.5243, 0.3400**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3883, 0.6242, 0.3213**, and if you desaturate by 10%, it is **22.4541, 0.5950, 0.3143**.

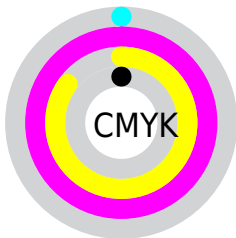
Distribution



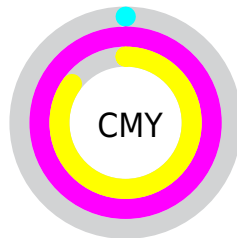
- Red (100%)
- Green (1%)
- Blue (15%)



- Red (100%)
- Yellow (1%)
- Blue (15%)



- Cyan (0%)
- Magenta (99%)
- Yellow (85%)
- Black (0%)




- Cyan (0%)
- Magenta (99%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4716, 0.6217, 0.3206 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 21.4716, 0.6217, 0.3206 by changing the saturation by 10% instead.


 21.4716, 0.6217,
0.3206


 21.4716, 0.6217,
0.3206


259.7743, 0.4584,
0.3461


 13.4692, 0.6588,
0.3059


 45.8711, 0.5636,
0.3361


 7.7524, 0.7060,
0.2846


 63.0369, 0.5410,
0.3400


 3.9369, 0.7521,
0.2479

 84.0261, 0.5218,
0.3426

 1.6383, 0.8053,
0.1947

 109.2228, 0.5054,
0.3442

 0.3832, 0.8978,
0.1022

 139.0116, 0.4912,
0.3452

 0.0000, 1.0000,
0.0000

 173.7769, 0.4788,

 0.0000, 0.0000,

0.3458

0.0000

213.9030, 0.4679,
0.3461

21.4716, 0.6217,
0.3206

21.4716, 0.6217,
0.3206

21.3883, 0.6242,
0.3213

22.4541, 0.5950,
0.3143

24.5278, 0.5572,
0.3098

27.9509, 0.5136,
0.3080

32.9027, 0.4700,
0.3087

39.5354, 0.4301,
0.3111

■ 47.9825, 0.3959,
0.3144

■ 58.3638, 0.3676,
0.3183

■ 70.7894, 0.3445,
0.3222

■ 85.3606, 0.3260,
0.3259

Harmonies

Analogous

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



21.4716, 0.5342, 0.2429



21.4716, 0.6217, 0.3206



21.4716, 0.5820, 0.4110

Triad

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



21.4716, 0.6217, 0.3206



21.4716, 0.2081, 0.6130



21.4716, 0.1203, 0.1186

Complementary

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



21.4716, 0.6217, 0.3206



76.6610, 0.2375, 0.3746

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.



21.4716, 0.0833, 0.1389



21.4716, 0.6217, 0.3206



21.4716, 0.1147, 0.3883

Square

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



21.4716, 0.6217, 0.3206



21.4716, 0.3350, 0.6403



21.4716, 0.0792, 0.2128



21.4716, 0.2046, 0.1309

Rectangle

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



21.4716, 0.6217, 0.3206



21.4716, 0.5125, 0.4875



21.4716, 0.0792, 0.2128



21.4716, 0.1038, 0.1213

Sweetspot

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



21.4730, 0.6217, 0.3206



56.9909, 0.3707, 0.3178



22.0718, 0.2830, 0.1336



11.2317, 0.3823, 0.3162



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.



21.4730, 0.6217, 0.3206



21.3890, 0.6242, 0.3213



28.7949, 0.5840, 0.3735



18.0292, 0.3272, 0.3256



11.1889, 0.6214, 0.3197



1.1015, 0.5951, 0.3052

Inverse Universe

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



21.4730, 0.6217, 0.3206



21.3890, 0.6242, 0.3213



34.8177, 0.1916, 0.2093



18.0292, 0.3272, 0.3256



11.1889, 0.6214, 0.3197



1.1015, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 21.4716, 0.6217, 0.3206 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 21.4716, 0.6217, 0.3206 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 21.4716, 0.6217, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 21.4716, 0.6217, 0.3206.



This preview shows how white text looks on a background with the Yxy color 21.4716, 0.6217, 0.3206.

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

21.4716, 0.6217, 0.3206

Protanopia

21.8990, 0.4027, 0.4393

Deuteranopia

21.7056, 0.4715, 0.4638



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.4716, 0.6217, 0.3206



Protanomaly

16.6432, 0.5156, 0.3647



Deuteranomaly

17.3594, 0.5646, 0.3822



Tritanomaly

21.4731, 0.6329, 0.3303

Monochromacy



Original Color

21.4716, 0.6217, 0.3206



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.1546, 0.4781, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4716, 0.6217, 0.3206 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, 3, 39)` looks like.

```
.text, #text, p{  
  color:rgb(255, 3, 39)  
}
```

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, 3, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 39) }
```

Border

The CSS property to change the border of an element to Yxy 21.4716, 0.6217, 0.3206 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, 3, 39) }
```

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

```
.border{ border-color:rgb(255, 3, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 3, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 39);  
box-shadow:4px 4px 4px 4px rgb(255, 3, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4716, 0.6217, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 39) }
```

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

```
.background{ background-color: rgb(255, 3,  
39) }
```

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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