

Converting Colors

$Yxy(21.7717, 0.5828, 0.2984)$

Have a look what the booklet for
Yxy(21.7717, 0.5828, 0.2984)
contains.

Yxy(21.7680, 0.5832, 0.2986)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(21.7680, 0.5832, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	FF004B
RGB	255, 0, 75
RGB Percent	100%, 0%, 29%
CMY	0.0000, 1.0000, 0.7059
CMYK	0.00, 1.00, 0.71, 0.00
HSL	342°, 100%, 50%
HSV	342°, 100%, 100%
XYZ	42.5154, 21.7680, 8.6168
YIQ	84.7950, 127.9050, 77.3850

Conversions

Conversions Part 2

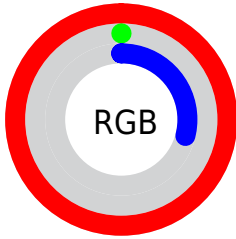
Format	Color
R_{YB}	255, 0, 75
Decimal	16711755
CIE _{Lab}	53.78, 81.61, 34.44
CIE _{LCh}	54, 88.584, 22.881
Yxy	21.7680, 0.5832, 0.2986
Android (android.graphics.Color)	4294901835 (0xFFFF004B)
YUV	84.7950, -4.8289, 149.2698
Hunter-Lab	46.6562, 81.0096, 21.7092

Details

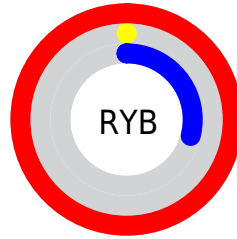
The Yxy color **21.7680, 0.5832, 0.2986** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **74.8154, 0.2527, 0.4297**, and the grayscale version is **9.0291, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4254, 0.4783, 0.3056**, and **10.9231, 0.6154, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **21.7680, 0.5832, 0.2986**, and if you desaturate by 10%, it is **22.7671, 0.5530, 0.2889**.

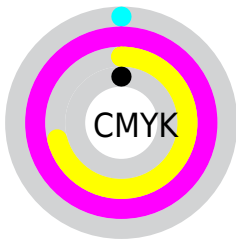
Distribution



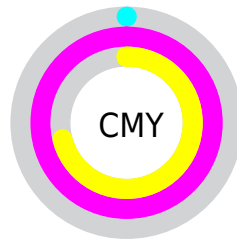
- Red (100%)
- Green (0%)
- Blue (29%)



- Red (100%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7680, 0.5832, 0.2986 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 21.7680, 0.5832, 0.2986 by changing the saturation by 10% instead.


 21.7680, 0.5832,
0.2986


 21.7680, 0.5832,
0.2986


261.3323, 0.4347,
0.3269


 13.6865, 0.6215,
0.2864


 46.3623, 0.5275,
0.3126


 7.9030, 0.6696,
0.2678


 63.6438, 0.5069,
0.3167


 4.0329, 0.7329,
0.2398

 84.7609, 0.4898,
0.3197

 1.6920, 0.8062,
0.1938

 110.0978, 0.4753,
0.3220

 0.4185, 0.8941,
0.1059

 140.0390, 0.4629,
0.3237

 0.0000, 1.0000,
0.0000

 174.9689, 0.4522,

 0.0000, 0.0000,

0.3250

0.0000

215.2719, 0.4429,
0.3260

■ 21.7680, 0.5832,
0.2986

■ 22.7671, 0.5530,
0.2889

■ 24.7753, 0.5176,
0.2831

■ 28.0830, 0.4803,
0.2820

■ 32.8693, 0.4443,
0.2849

■ 39.2848, 0.4118,
0.2905

■ 47.4613, 0.3839,
0.2978

■ 57.5171, 0.3604,
0.3058

■ 69.5602, 0.3412,
0.3138

■ 83.6901, 0.3255,
0.3217

Harmonies

Analogous

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



21.7680, 0.4593, 0.2239



21.7680, 0.5832, 0.2986



21.7680, 0.5905, 0.3803

Triad

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



21.7680, 0.5832, 0.2986



21.7680, 0.2640, 0.6201



21.7680, 0.1134, 0.1334

Complementary

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



21.7680, 0.5832, 0.2986



74.8154, 0.2527, 0.4297

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.



21.7680, 0.0898, 0.1700



21.7680, 0.5832, 0.2986



21.7680, 0.1564, 0.4642

Square

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



21.7680, 0.5832, 0.2986



21.7680, 0.3892, 0.5898



21.7680, 0.0998, 0.2714



21.7680, 0.1763, 0.1340

Rectangle

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



21.7680, 0.5832, 0.2986



21.7680, 0.5432, 0.4453



21.7680, 0.0998, 0.2714



21.7680, 0.1019, 0.1407

Sweetspot

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



21.7680, 0.5832, 0.2986



57.5171, 0.3604, 0.3058



16.7442, 0.2448, 0.1122



11.3530, 0.3698, 0.3024



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.



21.7680, 0.5832, 0.2986



23.6277, 0.6204, 0.3456



18.0750, 0.3248, 0.3220



11.3968, 0.5789, 0.2963



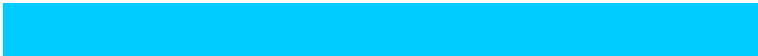
1.1278, 0.5469, 0.2787

Inverse Universe

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



21.7680, 0.5832, 0.2986



50.4057, 0.2062, 0.2621



18.0750, 0.3248, 0.3220



11.3968, 0.5789, 0.2963



1.1278, 0.5469, 0.2787

Previews

White Background



This preview shows how the Yxy color 21.7680, 0.5832, 0.2986 looks on a white background.

Color Contrast Check

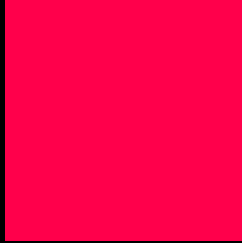
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7680, 0.5832, 0.2986 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 21.7680, 0.5832, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 21.7680, 0.5832, 0.2986.

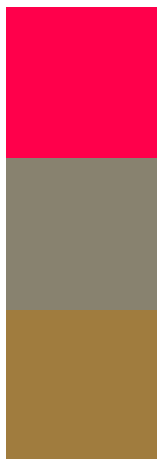


This preview shows how white text looks on a background with the Yxy color 21.7680, 0.5832, 0.2986.

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

21.7680, 0.5832, 0.2986

Protanopia

22.3472, 0.3410, 0.3628

Deuteranopia

22.2367, 0.4302, 0.4238



Tritanopia

22.1168, 0.6236, 0.3321

Trichromacy



Original Color

21.7680, 0.5832, 0.2986



Protanomaly

16.6521, 0.4420, 0.3081



Deuteranomaly

17.5993, 0.5136, 0.3435



Tritanomaly

21.7456, 0.6148, 0.3217

Monochromacy



Original Color

21.7680, 0.5832, 0.2986



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

9.4355, 0.4483, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7680, 0.5832, 0.2986 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 75) }
```

Border

The CSS property to change the border of an element to Yxy 21.7680, 0.5832, 0.2986 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, 75) }
```

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

```
.border{ border-color:rgb(255, 0, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 75);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 75)  
}
```

Background

The CSS property to change the background color of an element to Yxy 21.7680, 0.5832, 0.2986 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, 75) }
```

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

```
.background{ background-color: rgb(255, 0,  
75) }
```

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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