

Converting Colors

$Yxy(21.9219, 0.5935, 0.3073)$

Have a look what the booklet for
Yxy(21.9219, 0.5935, 0.3073)
contains.

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Color

Yxy(21.9295, 0.5941, 0.3077)

Conversions

Conversions Part 1

Format	Color
Hex	FF0D41
RGB	255, 13, 65
RGB Percent	100%, 5%, 25%
CMY	0.0000, 0.9491, 0.7452
CMYK	0.00, 0.95, 0.75, 0.00
HSL	347°, 100%, 53%
HSV	347°, 95%, 100%
XYZ	42.3410, 21.9295, 6.9986
YIQ	91.2860, 127.5400, 67.4760

Conversions

Conversions Part 2

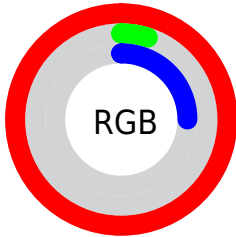
Format	Color
RYB	255, 13, 65
Decimal	16715073
CIELab	53.95, 80.35, 40.49
CIElCh	54, 89.975, 26.746
Yxy	21.9295, 0.5941, 0.3077
Android (android.graphics.Color)	4294905153 (0xFFFF0D41)
YUV	91.2860, -12.9590, 143.5772
Hunter-Lab	46.8289, 79.4423, 23.9193

Details

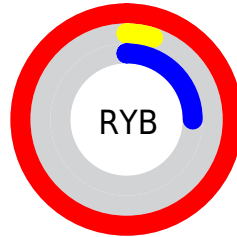
The Yxy color **21.9295, 0.5941, 0.3077** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **75.9172, 0.2441, 0.3968**, and the grayscale version is **10.5344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5666, 0.4903, 0.3173**, and **10.8807, 0.6251, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **21.5338, 0.6077, 0.3121**, and if you desaturate by 10%, it is **23.3327, 0.5608, 0.3002**.

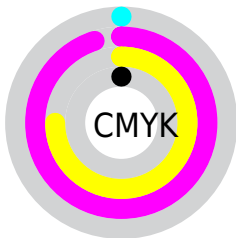
Distribution



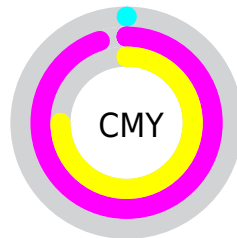
- Red (100%)
- Green (5%)
- Blue (25%)



- Red (100%)
- Yellow (5%)
- Blue (25%)



- Cyan (0%)
- Magenta (95%)
- Yellow (75%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9295, 0.5941, 0.3077 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 21.9295, 0.5941, 0.3077 by changing the saturation by 10% instead.


 21.9295, 0.5941,
0.3077


 21.9295, 0.5941,
0.3077

262.1779, 0.4411,
0.3334


 13.8051, 0.6323,
0.2953


 46.6294, 0.5374,
0.3214

 7.9852, 0.6793,
0.2760


 63.9738, 0.5163,
0.3252


 4.0855, 0.7473,
0.2493

 85.1602, 0.4985,
0.3279

 1.7215, 0.8023,
0.1977

 110.5732, 0.4835,
0.3298

 0.4375, 0.8889,
0.1111

 140.5970, 0.4706,
0.3312

 0.0000, 1.0000,
0.0000

 175.6162, 0.4594,

 0.0000, 0.0000,

0.3322

0.0000

216.0150, 0.4497,
0.3329

■ 21.9295, 0.5941,
0.3077

■ 21.9295, 0.5941,
0.3077

■ 21.5338, 0.6077,
0.3121

■ 23.3327, 0.5608,
0.3002

■ 25.9445, 0.5212,
0.2964

■ 29.9660, 0.4800,
0.2962

■ 35.5624, 0.4412,
0.2990

■ 42.8754, 0.4070,
0.3036

■ 52.0311, 0.3781,
0.3091

■ 63.1436, 0.3543,
0.3150

■ 76.3179, 0.3349,
0.3209

■ 91.6511, 0.3193,
0.3264

Harmonies

Analogous

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



21.9295, 0.4820, 0.2319



21.9295, 0.5941, 0.3077



21.9295, 0.5860, 0.3913

Triad

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



21.9295, 0.5941, 0.3077



21.9295, 0.2470, 0.6149



21.9295, 0.1175, 0.1301

Complementary

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



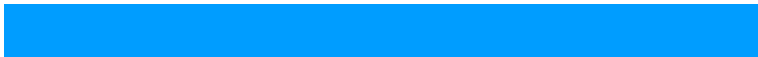
21.9295, 0.5941, 0.3077



75.9172, 0.2441, 0.3968

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.



21.9295, 0.0894, 0.1608



21.9295, 0.5941, 0.3077



21.9295, 0.1439, 0.4376

Square

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



21.9295, 0.5941, 0.3077



21.9295, 0.3721, 0.6035



21.9295, 0.0945, 0.2519



21.9295, 0.1868, 0.1347

Rectangle

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



21.9295, 0.5941, 0.3077



21.9295, 0.5326, 0.4594



21.9295, 0.0945, 0.2519



21.9295, 0.1043, 0.1357

Sweetspot

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



21.9286, 0.5941, 0.3077



59.4958, 0.3611, 0.3132



20.1423, 0.2684, 0.1266



11.7130, 0.3714, 0.3106



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.



21.9286, 0.5941, 0.3077



21.5338, 0.6077, 0.3121



27.2559, 0.5917, 0.3641



18.0509, 0.3260, 0.3239



11.2695, 0.6040, 0.3101



1.1125, 0.5736, 0.2933

Inverse Universe

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



21.9286, 0.5941, 0.3077



21.5338, 0.6077, 0.3121



42.6033, 0.1999, 0.2375



18.0509, 0.3260, 0.3239



11.2695, 0.6040, 0.3101



1.1125, 0.5736, 0.2933

Previews

White Background



This preview shows how the Yxy color 21.9295, 0.5941, 0.3077 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 21.9295, 0.5941, 0.3077 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 21.9295, 0.5941, 0.3077

Background



This preview shows how black text looks on a background with the Yxy color 21.9295, 0.5941, 0.3077.



This preview shows how white text looks on a background with the Yxy color 21.9295, 0.5941, 0.3077.

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

21.9295, 0.5941, 0.3077

Protanopia

22.3173, 0.3607, 0.3873

Deuteranopia

22.0863, 0.4439, 0.4342



Tritanopia

22.0037, 0.6259, 0.3323

Trichromacy



Original Color

21.9295, 0.5941, 0.3077

Protanomaly

17.2960, 0.4630, 0.3322

Deuteranomaly

18.2078, 0.5248, 0.3596

Tritanomaly

21.8172, 0.6186, 0.3251

Monochromacy



Original Color

21.9295, 0.5941, 0.3077

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.7435, 0.4460, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9295, 0.5941, 0.3077 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, 13, 65)` looks like.

```
.text, #text, p{  
    color:rgb(255, 13, 65)  
}
```

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, 13, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 13, 65) }
```

Border

The CSS property to change the border of an element to Yxy 21.9295, 0.5941, 0.3077 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, 13, 65) }
```

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

```
.border{ border-color:rgb(255, 13, 65) }
```

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

Here you see how a box with a 4 pixel rgb(255, 13, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 13, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 13, 65);  
box-shadow:4px 4px 4px 4px rgb(255, 13,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9295, 0.5941, 0.3077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 13, 65) }
```

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

```
.background{ background-color: rgb(255, 13,  
65) }
```

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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