

Converting Colors

Yxy(21.4296, 0.6343, 0.3283)

Have a look what the booklet for
Yxy(21.4296, 0.6343, 0.3283)
contains.

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Color

Yxy(21.4277, 0.6343, 0.3283)

Conversions

Conversions Part 1

Format	Color
Hex	FF0610
RGB	255, 6, 16
RGB Percent	100%, 2%, 6%
CMY	0.0000, 0.9764, 0.9376
CMYK	0.00, 0.98, 0.94, 0.00
HSL	358°, 100%, 51%
HSV	358°, 98%, 100%
XYZ	41.3999, 21.4277, 2.4410
YIQ	81.5910, 145.1940, 55.8980

Conversions

Conversions Part 2

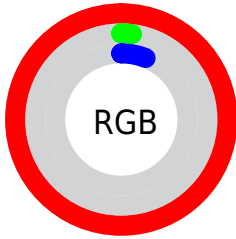
Format	Color
RYB	255, 6, 16
Decimal	16713232
CIELab	53.41, 79.82, 63.29
CIELCh	53, 101.861, 38.411
Yxy	21.4277, 0.6343, 0.3283
Android (android.graphics.Color)	4294903312 (0xFFFF0610)
YUV	81.5910, -32.3364, 152.0797
Hunter-Lab	46.2901, 78.6354, 29.2765

Details

The Yxy color **21.4277, 0.6343, 0.3283** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **78.1581, 0.2282, 0.3409**, and the grayscale version is **8.3974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4127, 0.5428, 0.3539**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2822, 0.6373, 0.3284**, and if you desaturate by 10%, it is **22.4239, 0.6132, 0.3264**.

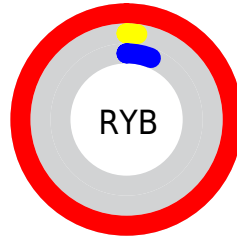
Distribution



Red (100%)

Green (2%)

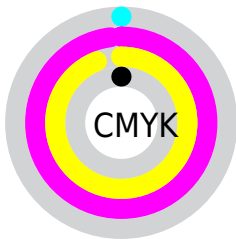
Blue (6%)



Red (100%)

Yellow (2%)

Blue (6%)

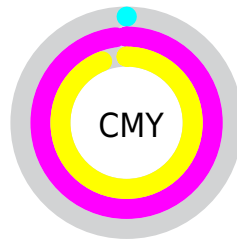


Cyan (0%)

Magenta (98%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (98%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4277, 0.6343, 0.3283 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 21.4277, 0.6343, 0.3283 by changing the saturation by 10% instead.


 21.4277, 0.6343,
0.3283


 21.4277, 0.6343,
0.3283


259.5428, 0.4690,
0.3548


 13.4370, 0.6692,
0.3120


 45.7983, 0.5775,
0.3455


 7.7301, 0.7118,
0.2882


 62.9469, 0.5548,
0.3497

 3.9228, 0.7511,
0.2489

 83.9170, 0.5352,
0.3523

 1.6305, 0.8044,
0.1956

 109.0929, 0.5182,
0.3538

 0.3780, 0.8979,
0.1021

 138.8591, 0.5034,
0.3546

 0.0000, 1.0000,
0.0000

 173.5998, 0.4905,

 0.0000, 0.0000,

0.3550


0.0000

 213.6996, 0.4791,
0.3550


 21.4277, 0.6343,
0.3283


 21.4277, 0.6343,
0.3283


 21.2822, 0.6373,
0.3284

 22.4239, 0.6132,
0.3264

 24.5696, 0.5771,
0.3248

 28.1025, 0.5316,
0.3240

 33.2033, 0.4842,
0.3239

 40.0257, 0.4402,
0.3244

■ 48.7051, 0.4023,
0.3252

■ 59.3634, 0.3709,
0.3262

■ 72.1119, 0.3456,
0.3273

■ 87.0541, 0.3254,
0.3283

Harmonies

Analogous

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



21.4277, 0.5675, 0.2499



21.4277, 0.6343, 0.3283



21.4277, 0.5752, 0.4248

Triad

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



21.4277, 0.6343, 0.3283



21.4277, 0.1832, 0.6038



21.4277, 0.1235, 0.1123

Complementary

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



21.4277, 0.6343, 0.3283



78.1581, 0.2282, 0.3409

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.



21.4277, 0.0806, 0.1267



21.4277, 0.6343, 0.3283



21.4277, 0.0981, 0.3539

Square

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



21.4277, 0.6343, 0.3283



21.4277, 0.3094, 0.6640



21.4277, 0.0712, 0.1899



21.4277, 0.2186, 0.1293

Rectangle

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



21.4277, 0.6343, 0.3283



21.4277, 0.4943, 0.5057



21.4277, 0.0712, 0.1899



21.4277, 0.1047, 0.1133

Sweetspot

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



21.4281, 0.6343, 0.3283



57.7883, 0.3748, 0.3261



26.3259, 0.3085, 0.1479



11.3682, 0.3878, 0.3257



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.



21.4281, 0.6343, 0.3283



21.2822, 0.6373, 0.3284



34.2457, 0.5536, 0.3970



17.9988, 0.3288, 0.3281



11.1255, 0.6361, 0.3278



1.0872, 0.6266, 0.3226

Inverse Universe

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



21.4281, 0.6343, 0.3283



21.2822, 0.6373, 0.3284



26.8928, 0.1824, 0.1756



17.9988, 0.3288, 0.3281



11.1255, 0.6361, 0.3278



1.0872, 0.6266, 0.3226

Previews

White Background



This preview shows how the Yxy color 21.4277, 0.6343, 0.3283 looks on a white background.

Color Contrast Check

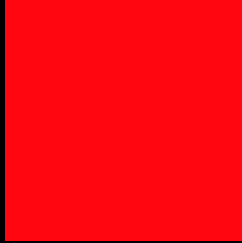
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4277, 0.6343, 0.3283 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 21.4277, 0.6343, 0.3283

Background



This preview shows how black text looks on a background with the Yxy color 21.4277, 0.6343, 0.3283.



This preview shows how white text looks on a background with the Yxy color 21.4277, 0.6343, 0.3283.

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

21.4277, 0.6343, 0.3283

Protanopia

21.7763, 0.4233, 0.4675

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.4954, 0.6347, 0.3343

Trichromacy



Original Color

21.4277, 0.6343, 0.3283



Protanomaly

16.6299, 0.5379, 0.3859



Deuteranomaly

17.4862, 0.5660, 0.3856



Tritanomaly

21.4849, 0.6349, 0.3318

Monochromacy



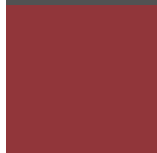
Original Color

21.4277, 0.6343, 0.3283



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.9636, 0.4962, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4277, 0.6343, 0.3283 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, 6, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 6, 16)  
}
```

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, 6, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 6, 16) }
```

Border

The CSS property to change the border of an element to Yxy 21.4277, 0.6343, 0.3283 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, 6, 16) }
```

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

```
.border{ border-color:rgb(255, 6, 16) }
```

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

Here you see how a box with a 4 pixel rgb(255, 6, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 6, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 6, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 6, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.4277, 0.6343, 0.3283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 6, 16) }
```

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

```
.background{ background-color: rgb(255, 6,  
16) }
```

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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