

Converting Colors

$Y_{xy}(21.5327, 0.6362, 0.3309)$

Have a look what the booklet for
Yxy(21.5327, 0.6362, 0.3309)
contains.

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Color

Yxy(21.5361, 0.6361, 0.3309)

Conversions

Conversions Part 1

Format	Color
Hex	FF0C06
RGB	255, 12, 6
RGB Percent	100%, 5%, 2%
CMY	0.0001, 0.9522, 0.9764
CMYK	0.00, 0.95, 0.98, 0.00
HSL	1°, 100%, 51%
HSV	1°, 98%, 100%
XYZ	41.3996, 21.5361, 2.1478
YIQ	83.9730, 146.7540, 49.6500

Conversions

Conversions Part 2

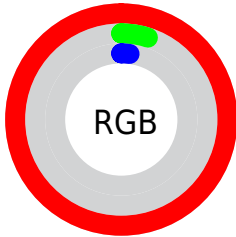
Format	Color
RYB	255, 12, 6
Decimal	16714758
CIELab	53.53, 79.31, 65.84
CIELCh	54, 103.080, 39.699
Yxy	21.5361, 0.6361, 0.3309
Android (android.graphics.Color)	4294904838 (0xFFFF0C06)
YUV	83.9730, -38.4407, 149.9907
Hunter-Lab	46.4070, 78.0271, 29.7409

Details

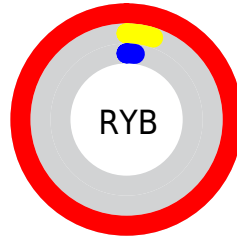
The Yxy color **21.5361, 0.6361, 0.3309** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **74.8861, 0.2228, 0.3212**, and the grayscale version is **8.9429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5315, 0.5473, 0.3588**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.3938, 0.6389, 0.3309**, and if you desaturate by 10%, it is **22.6854, 0.6169, 0.3320**.

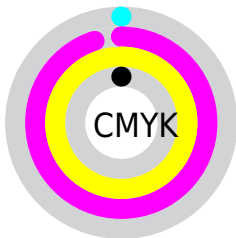
Distribution



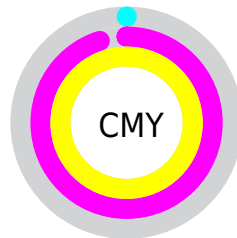
- Red (100%)
- Green (5%)
- Blue (2%)



- Red (100%)
- Yellow (5%)
- Blue (2%)



- Cyan (0%)
- Magenta (95%)
- Yellow (98%)
- Black (0%)





- Cyan (0%)
- Magenta (95%)
- Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5361, 0.6361, 0.3309 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 21.5361, 0.6361, 0.3309 by changing the saturation by 10% instead.


 21.5361, 0.6361,
0.3309


 21.5361, 0.6361,
0.3309


260.1140, 0.4713,
0.3574


 13.5164, 0.6705,
0.3145


 45.9781, 0.5801,
0.3484


 7.7851, 0.7103,
0.2897


 63.1692, 0.5575,
0.3526


 3.9578, 0.7495,
0.2505

 84.1862, 0.5379,
0.3552

 1.6500, 0.8025,
0.1975

 109.4135, 0.5209,
0.3567

 0.3909, 0.8947,
0.1053

 139.2356, 0.5061,
0.3575


 0.0000, 1.0000,
0.0000


 174.0367, 0.4930,


 0.0000, 0.0000,

0.3577

0.0000


 214.2014, 0.4815,
0.3577


 21.5361, 0.6361,
0.3309

 21.5361, 0.6361,
0.3309


 21.3938, 0.6389,
0.3309

 22.6854, 0.6169,
0.3320

 24.9899, 0.5820,
0.3329

 28.6571, 0.5368,
0.3332

 33.8534, 0.4889,
0.3330

 40.7213, 0.4440,
0.3325

■ 49.3871, 0.4051,
0.3318

■ 59.9649, 0.3729,
0.3310

■ 72.5595, 0.3468,
0.3302

■ 87.2678, 0.3258,
0.3295

Harmonies

Analogous

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



21.5361, 0.5758, 0.2523



21.5361, 0.6361, 0.3309



21.5361, 0.5714, 0.4286

Triad

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



21.5361, 0.6361, 0.3309



21.5361, 0.1768, 0.5982



21.5361, 0.1252, 0.1112

Complementary

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



21.5361, 0.6361, 0.3309



74.8861, 0.2228, 0.3212

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.



21.5361, 0.0805, 0.1240



21.5361, 0.6361, 0.3309



21.5361, 0.0944, 0.3438

Square

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



21.5361, 0.6361, 0.3309



21.5361, 0.3023, 0.6695



21.5361, 0.0697, 0.1843



21.5361, 0.2234, 0.1295

Rectangle

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



21.5361, 0.6361, 0.3309



21.5361, 0.4887, 0.5113



21.5361, 0.0697, 0.1843



21.5361, 0.1056, 0.1117

Sweetspot

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



21.5375, 0.6361, 0.3309



58.4181, 0.3769, 0.3311



28.3416, 0.3251, 0.1570



11.5111, 0.3902, 0.3314



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.



21.5375, 0.6361, 0.3309



21.3974, 0.6389, 0.3309



38.5002, 0.5343, 0.4124



18.0592, 0.3294, 0.3296



11.2119, 0.6383, 0.3313



1.1160, 0.6342, 0.3346

Inverse Universe

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



74.8861, 0.2228, 0.3212



74.7675, 0.2225, 0.3210



22.2695, 0.1762, 0.1531



20.3995, 0.2980, 0.3284



39.1025, 0.2226, 0.3212



3.8308, 0.2228, 0.3221

Previews

White Background



This preview shows how the Yxy color 21.5361, 0.6361, 0.3309 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 21.5361, 0.6361, 0.3309 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 21.5361, 0.6361, 0.3309

Background



This preview shows how black text looks on a background with the Yxy color 21.5361, 0.6361, 0.3309.



This preview shows how white text looks on a background with the Yxy color 21.5361, 0.6361, 0.3309.

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

21.5361, 0.6361, 0.3309

Protanopia

21.8357, 0.4277, 0.4713

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.5361, 0.6361, 0.3309

Protanomaly

17.1966, 0.5394, 0.3934

Deuteranomaly

17.7747, 0.5644, 0.3890

Tritanomaly

21.5410, 0.6354, 0.3329

Monochromacy



Original Color

21.5361, 0.6361, 0.3309

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.4226, 0.4972, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5361, 0.6361, 0.3309 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, 12, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 12, 6)  
}
```

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, 12, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 12, 6) }
```

Border

The CSS property to change the border of an element to Yxy 21.5361, 0.6361, 0.3309 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, 12, 6) }
```

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

```
.border{ border-color:rgb(255, 12, 6) }
```

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

Here you see how a box with a 4 pixel rgb(255, 12, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 12, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 12, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 12, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5361, 0.6361, 0.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 12, 6) }
```

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

```
.background{ background-color: rgb(255, 12,  
6) }
```

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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