

Converting Colors

$Y_{xy}(21.6186, 0.6352, 0.3313)$

Have a look what the booklet for
Yxy(21.6186, 0.6352, 0.3313)
contains.

Yxy(21.6170, 0.6352, 0.3313)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.6170, 0.6352, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	FF0F07
RGB	255, 15, 7
RGB Percent	100%, 6%, 3%
CMY	0.0000, 0.9407, 0.9730
CMYK	0.00, 0.94, 0.97, 0.00
HSL	2°, 100%, 51%
HSV	2°, 97%, 100%
XYZ	41.4462, 21.6170, 2.1858
YIQ	85.8480, 145.6080, 48.3920

Conversions

Conversions Part 2

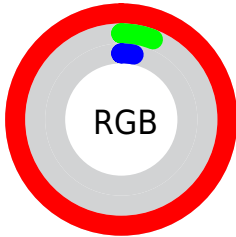
Format	Color
RYB	255, 15, 7
Decimal	16715527
CIELab	53.62, 79.08, 65.68
CIElCh	54, 102.794, 39.710
Yxy	21.6170, 0.6352, 0.3313
Android (android.graphics.Color)	4294905607 (0xFFFF0F07)
YUV	85.8480, -38.8721, 148.3463
Hunter-Lab	46.4941, 77.7554, 29.7584

Details

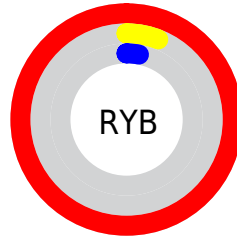
The Yxy color **21.6170, 0.6352, 0.3313** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **73.6348, 0.2221, 0.3187**, and the grayscale version is **9.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7332, 0.5455, 0.3590**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.4418, 0.6385, 0.3312**, and if you desaturate by 10%, it is **22.8672, 0.6150, 0.3328**.

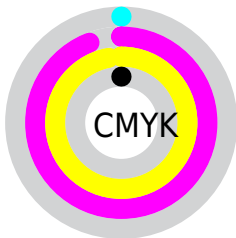
Distribution



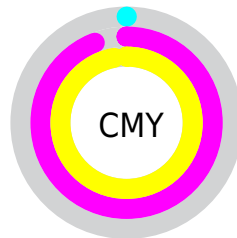
- Red (100%)
- Green (6%)
- Blue (3%)



- Red (100%)
- Yellow (6%)
- Blue (3%)



- Cyan (0%)
- Magenta (94%)
- Yellow (97%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6170, 0.6352, 0.3313 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 21.6170, 0.6352, 0.3313 by changing the saturation by 10% instead.


 21.6170, 0.6352,
0.3313


 21.6170, 0.6352,
0.3313


260.5396, 0.4708,
0.3574


 13.5757, 0.6696,
0.3150


 46.1122, 0.5793,
0.3486


 7.8262, 0.7095,
0.2905


 63.3349, 0.5567,
0.3528


 3.9839, 0.7485,
0.2515

 84.3868, 0.5372,
0.3553

 1.6646, 0.8015,
0.1985

 109.6525, 0.5203,
0.3568

 0.4006, 0.8927,
0.1073

 139.5162, 0.5055,
0.3575


 0.0000, 1.0000,
0.0000


 174.3623, 0.4925,


 0.0000, 0.0000,

0.3578

0.0000


 214.5753, 0.4810,
0.3577


 21.6170, 0.6352,
0.3313


 21.6170, 0.6352,
0.3313


 21.4418, 0.6385,
0.3312


 22.8672, 0.6150,
0.3328

 25.2780, 0.5794,
0.3340


 29.0472, 0.5341,
0.3344


 34.3349, 0.4864,
0.3342

 41.2786, 0.4420,
0.3335

 50.0010, 0.4036,
0.3326

 60.6126, 0.3717,
0.3316

 73.2153, 0.3459,
0.3306

 87.9037, 0.3252,
0.3296

Harmonies

Analogous

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



21.6170, 0.5749, 0.2527



21.6170, 0.6352, 0.3313



21.6170, 0.5710, 0.4290

Triad

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



21.6170, 0.6352, 0.3313



21.6170, 0.1773, 0.5968



21.6170, 0.1256, 0.1117

Complementary

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



21.6170, 0.6352, 0.3313



73.6348, 0.2221, 0.3187

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.



21.6170, 0.0809, 0.1245



21.6170, 0.6352, 0.3313



21.6170, 0.0950, 0.3438

Square

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



21.6170, 0.6352, 0.3313



21.6170, 0.3028, 0.6683



21.6170, 0.0702, 0.1848



21.6170, 0.2238, 0.1300

Rectangle

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



21.6170, 0.6352, 0.3313



21.6170, 0.4886, 0.5114



21.6170, 0.0702, 0.1848



21.6170, 0.1061, 0.1122

Sweetspot

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



21.6184, 0.6352, 0.3313



58.6739, 0.3767, 0.3318



28.3635, 0.3250, 0.1571



11.5692, 0.3900, 0.3322



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.



21.6184, 0.6352, 0.3313



21.4438, 0.6385, 0.3312



38.6220, 0.5337, 0.4127



18.0836, 0.3294, 0.3298



11.2466, 0.6378, 0.3318



1.1276, 0.6323, 0.3361

Inverse Universe

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



73.6348, 0.2221, 0.3187



73.4573, 0.2218, 0.3184



22.3922, 0.1764, 0.1537



20.3719, 0.2980, 0.3282



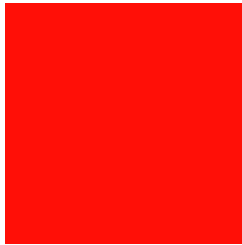
38.4292, 0.2218, 0.3186



3.7729, 0.2222, 0.3198

Previews

White Background



This preview shows how the Yxy color 21.6170, 0.6352, 0.3313 looks on a white background.

Color Contrast Check

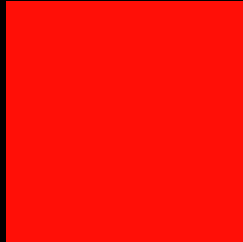
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6170, 0.6352, 0.3313 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 21.6170, 0.6352, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 21.6170, 0.6352, 0.3313.



This preview shows how white text looks on a background with the Yxy color 21.6170, 0.6352, 0.3313.

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

21.6170, 0.6352, 0.3313

Protanopia

21.8357, 0.4277, 0.4713

Deuteranopia

21.9524, 0.4700, 0.4650



Tritanopia

21.6836, 0.6347, 0.3342

Trichromacy



Original Color

21.6170, 0.6352, 0.3313



Protanomaly

17.3597, 0.5379, 0.3946



Deuteranomaly

18.0830, 0.5612, 0.3910



Tritanomaly

21.5777, 0.6349, 0.3330

Monochromacy



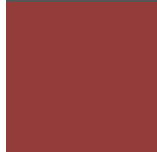
Original Color

21.6170, 0.6352, 0.3313



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.7302, 0.4943, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6170, 0.6352, 0.3313 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, 15, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 15, 7)  
}
```

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, 15, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 15, 7) }
```

Border

The CSS property to change the border of an element to Yxy 21.6170, 0.6352, 0.3313 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, 15, 7) }
```

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

```
.border{ border-color:rgb(255, 15, 7) }
```

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

Here you see how a box with a 4 pixel rgb(255, 15, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 15, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 15, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 15, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.6170, 0.6352, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 15, 7) }
```

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

```
.background{ background-color: rgb(255, 15,  
7) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor