

Converting Colors

$Yxy(21.4636, 0.6258, 0.3355)$

Have a look what the booklet for
Yxy(21.4636, 0.6258, 0.3355)
contains.

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Color

Yxy(21.5025, 0.6256, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	FA220F
RGB	250, 34, 15
RGB Percent	98%, 13%, 6%
CMY	0.0196, 0.8666, 0.9416
CMYK	0.00, 0.86, 0.94, 0.02
HSL	5°, 96%, 52%
HSV	5°, 94%, 98%
XYZ	40.0833, 21.5025, 2.4860
YIQ	96.4180, 134.8350, 39.8830

Conversions

Conversions Part 2

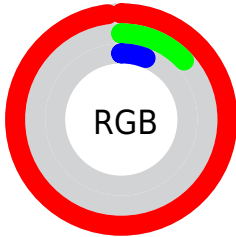
Format	Color
R_{YB}	250, 36, 15
Decimal	16392719
CIE _{Lab}	53.50, 75.41, 63.08
CIE _{LCh}	53, 98.312, 39.914
Yxy	21.5025, 0.6256, 0.3356
Android (android.graphics.Color)	4294582799 (0xFFFA220F)
YUV	96.4180, -40.1391, 134.6914
Hunter-Lab	46.3708, 73.1481, 29.2810

Details

The Yxy color **21.5025, 0.6256, 0.3356** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **64.0938, 0.2185, 0.3045**, and the grayscale version is **11.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9854, 0.5356, 0.3612**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.8366, 0.6354, 0.3337**, and if you desaturate by 10%, it is **23.4018, 0.5980, 0.3391**.

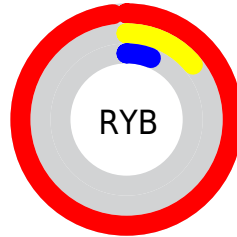
Distribution



Red (98%)

Green (13%)

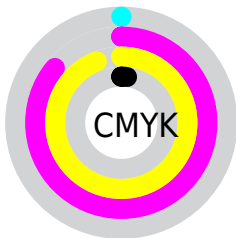
Blue (6%)



Red (98%)

Yellow (14%)

Blue (6%)

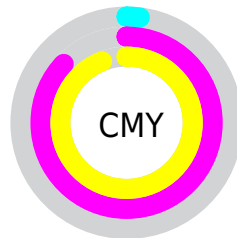


Cyan (0%)

Magenta (86%)

Yellow (94%)

Black (2%)



Cyan (2%)


Magenta (87%)

Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5025, 0.6256, 0.3356 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 21.5025, 0.6256, 0.3356 by changing the saturation by 10% instead.


 21.5025, 0.6256,
0.3356


 21.5025, 0.6256,
0.3356


259.9371, 0.4643,
0.3575


 13.4918, 0.6599,
0.3204


 45.9223, 0.5700,
0.3510

 7.7681, 0.7021,
0.2979


 63.1003, 0.5479,
0.3546


 3.9469, 0.7406,
0.2594

 84.1028, 0.5288,
0.3566

 1.6439, 0.7935,
0.2065

 109.3142, 0.5122,
0.3577

 0.3869, 0.8884,
0.1116

 139.1189, 0.4978,
0.3581


 0.0000, 1.0000,
0.0000


 173.9014, 0.4853,


 0.0000, 0.0000,

0.3582

0.0000

 214.0460, 0.4742,
0.3579

 21.5025, 0.6256,
0.3356


 21.5025, 0.6256,
0.3356

 20.8366, 0.6354,
0.3337

 23.4018, 0.5980,
0.3391

 26.4354, 0.5581,
0.3412

 30.7456, 0.5123,
0.3416

 36.4531, 0.4669,
0.3407

 43.6643, 0.4259,
0.3389

■ 52.4754, 0.3909,
0.3367

■ 62.9746, 0.3619,
0.3343

■ 75.2437, 0.3384,
0.3320

■ 89.3591, 0.3193,
0.3298

Harmonies

Analogous

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



21.5025, 0.5659, 0.2569



21.5025, 0.6256, 0.3356



21.5025, 0.5670, 0.4330

Triad

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



21.5025, 0.6256, 0.3356



21.5025, 0.1831, 0.5821



21.5025, 0.1310, 0.1168

Complementary

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



21.5025, 0.6256, 0.3356



64.0938, 0.2185, 0.3045

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.



21.5025, 0.0861, 0.1297



21.5025, 0.6256, 0.3356



21.5025, 0.1011, 0.3433

Square

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



21.5025, 0.6256, 0.3356



21.5025, 0.3070, 0.6566



21.5025, 0.0755, 0.1897



21.5025, 0.2280, 0.1352

Rectangle

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



21.5025, 0.6256, 0.3356



21.5025, 0.4877, 0.5123



21.5025, 0.0755, 0.1897



21.5025, 0.1114, 0.1174

Sweetspot

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



21.5039, 0.6256, 0.3356



61.2735, 0.3728, 0.3352



26.6232, 0.3375, 0.1649



12.1190, 0.3856, 0.3363



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.



21.5039, 0.6256, 0.3356



21.7865, 0.6355, 0.3336



41.5784, 0.5139, 0.4263



17.4518, 0.3292, 0.3310



11.1318, 0.6341, 0.3347



1.1065, 0.6210, 0.3451

Inverse Universe

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



64.0938, 0.2185, 0.3045



66.2190, 0.2175, 0.3029



19.6743, 0.1743, 0.1442



19.3529, 0.2980, 0.3270



33.6862, 0.2176, 0.3033



3.1892, 0.2185, 0.3066

Previews

White Background



This preview shows how the Yxy color 21.5025, 0.6256, 0.3356 looks on a white background.

Color Contrast Check

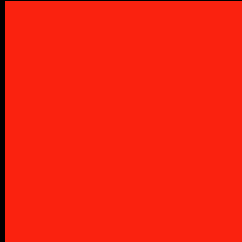
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5025, 0.6256, 0.3356 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 21.5025, 0.6256, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 21.5025, 0.6256, 0.3356.



This preview shows how white text looks on a background with the Yxy color 21.5025, 0.6256, 0.3356.

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

21.5025, 0.6256, 0.3356

Protanopia

21.7634, 0.4246, 0.4694

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.4955, 0.6200, 0.3317

Trichromacy



Original Color

21.5025, 0.6256, 0.3356

Protanomaly

18.1614, 0.5240, 0.4006

Deuteranomaly

18.7926, 0.5502, 0.3988

Tritanomaly

21.4736, 0.6227, 0.3332

Monochromacy



Original Color

21.5025, 0.6256, 0.3356

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.8457, 0.4680, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5025, 0.6256, 0.3356 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(250, 34, 15)` looks like.

```
.text, #text, p{  
    color:rgb(250, 34, 15)  
}
```

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(250, 34, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 34, 15) }
```

Border

The CSS property to change the border of an element to Yxy 21.5025, 0.6256, 0.3356 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(250, 34, 15) }
```

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

```
.border{ border-color:rgb(250, 34, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 34, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 34, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 34, 15);  
box-shadow:4px 4px 4px 4px rgb(250, 34,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 21.5025, 0.6256, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 34, 15) }
```

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

```
.background{ background-color: rgb(250, 34,  
15) }
```

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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