

Converting Colors

$Y_{xy}(21.2930, 0.6359, 0.3277)$

Have a look what the booklet for
Yxy(21.2930, 0.6359, 0.3277)
contains.

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Color

Yxy(21.2917, 0.6361, 0.3278)

Conversions

Conversions Part 1

Format	Color
Hex	FF000E
RGB	255, 0, 14
RGB Percent	100%, 0%, 5%
CMY	0.0000, 0.9994, 0.9454
CMYK	0.00, 1.00, 0.95, 0.00
HSL	357°, 100%, 50%
HSV	357°, 100%, 100%
XYZ	41.3168, 21.2917, 2.3448
YIQ	77.8410, 147.4860, 58.4140

Conversions

Conversions Part 2

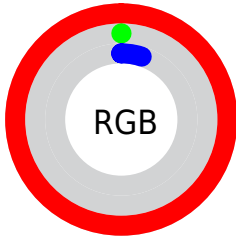
Format	Color
RYB	255, 0, 14
Decimal	16711694
CIELab	53.27, 80.20, 63.78
CIELCh	53, 102.468, 38.497
Yxy	21.2917, 0.6361, 0.3278
Android (android.graphics.Color)	4294901774 (0xFFFF000E)
YUV	77.8410, -31.4736, 155.3684
Hunter-Lab	46.1429, 79.0804, 29.2872

Details

The Yxy color **21.2917, 0.6361, 0.3278** 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 **77.8792, 0.2294, 0.3458**, and the grayscale version is **7.6414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2027, 0.5455, 0.3544**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.2895, 0.6362, 0.3278**, and if you desaturate by 10%, it is **22.1218, 0.6172, 0.3255**.

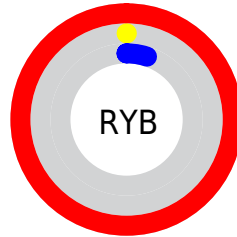
Distribution



Red (100%)

Green (0%)

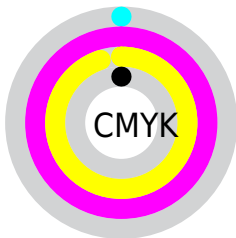
Blue (5%)



Red (100%)

Yellow (0%)

Blue (5%)

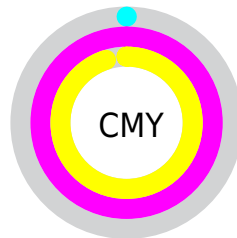


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2917, 0.6361, 0.3278 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 21.2917, 0.6361, 0.3278 by changing the saturation by 10% instead.


 21.2917, 0.6361,
0.3278

 21.2917, 0.6361,
0.3278


258.8247, 0.4701,
0.3550

 13.3374, 0.6711,
0.3113


 45.5725, 0.5792,
0.3453

 7.6613, 0.7131,
0.2869

 62.6678, 0.5564,
0.3496


 3.8790, 0.7526,
0.2474

 83.5788, 0.5367,
0.3523

 1.6061, 0.8062,
0.1938

 108.6901, 0.5196,
0.3539

 0.3617, 0.9014,
0.0986

 138.3859, 0.5047,
0.3548


 0.0000, 1.0000,
0.0000


 173.0507, 0.4917,

 0.0000, 0.0000,

0.3551


0.0000


 213.0688, 0.4802,
0.3552


 21.2917, 0.6361,
0.3278


 21.2917, 0.6361,
0.3278


 21.2895, 0.6362,
0.3278

 22.1218, 0.6172,
0.3255


 23.9883, 0.5834,
0.3232


 27.1929, 0.5394,
0.3220


 31.9238, 0.4922,
0.3218

 38.3394, 0.4477,
0.3224

 46.5779, 0.4089,
0.3235

 56.7637, 0.3766,
0.3249

 69.0098, 0.3504,
0.3263

 83.4209, 0.3294,
0.3277

Harmonies

Analogous

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



21.2917, 0.5697, 0.2494



21.2917, 0.6361, 0.3278



21.2917, 0.5756, 0.4244

Triad

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



21.2917, 0.6361, 0.3278



21.2917, 0.1816, 0.6059



21.2917, 0.1228, 0.1113

Complementary

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



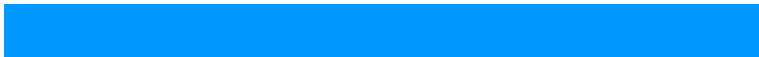
21.2917, 0.6361, 0.3278



77.8792, 0.2294, 0.3458

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.



21.2917, 0.0797, 0.1255



21.2917, 0.6361, 0.3278



21.2917, 0.0968, 0.3532

Square

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



21.2917, 0.6361, 0.3278



21.2917, 0.3080, 0.6665



21.2917, 0.0701, 0.1886



21.2917, 0.2183, 0.1285

Rectangle

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



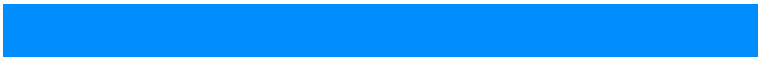
21.2917, 0.6361, 0.3278



21.2917, 0.4940, 0.5060



21.2917, 0.0701, 0.1886



21.2917, 0.1039, 0.1123

Sweetspot

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



21.2931, 0.6361, 0.3278



56.7039, 0.3768, 0.3249



25.4001, 0.3039, 0.1448



11.1663, 0.3896, 0.3243



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.



21.2931, 0.6361, 0.3278



21.2911, 0.6362, 0.3278



32.5359, 0.5632, 0.3909



18.0030, 0.3286, 0.3278



11.1315, 0.6346, 0.3270



1.0892, 0.6220, 0.3200

Inverse Universe

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



21.2931, 0.6361, 0.3278



21.2911, 0.6362, 0.3278



27.3365, 0.1827, 0.1777



18.0030, 0.3286, 0.3278



11.1315, 0.6346, 0.3270



1.0892, 0.6220, 0.3200

Previews

White Background



This preview shows how the Yxy color 21.2917, 0.6361, 0.3278 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



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 21.2917, 0.6361, 0.3278

Background



This preview shows how black text looks on a background with the Yxy color 21.2917, 0.6361, 0.3278.



This preview shows how white text looks on a background with the Yxy color 21.2917, 0.6361, 0.3278.

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

21.2917, 0.6361, 0.3278

Protanopia

21.7697, 0.4240, 0.4685

Deuteranopia

21.6004, 0.4703, 0.4648



Tritanopia

21.5359, 0.6343, 0.3345

Trichromacy



Original Color

21.2917, 0.6361, 0.3278



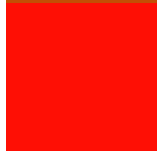
Protanomaly

16.3136, 0.5424, 0.3846



Deuteranomaly

17.1955, 0.5692, 0.3836



Tritanomaly

21.4234, 0.6357, 0.3316

Monochromacy



Original Color

21.2917, 0.6361, 0.3278



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

8.3078, 0.5028, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2917, 0.6361, 0.3278 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, 0, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 14)  
}
```

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, 0, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 14) }
```

Border

The CSS property to change the border of an element to Yxy 21.2917, 0.6361, 0.3278 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, 0, 14) }
```

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

```
.border{ border-color:rgb(255, 0, 14) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 14)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.2917, 0.6361, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 14) }
```

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

```
.background{ background-color: rgb(255, 0,  
14) }
```

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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