

Converting Colors

$Y_{xy}(22.2746, 0.6293, 0.3355)$

Have a look what the booklet for
Yxy(22.2746, 0.6293, 0.3355)
contains.

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Color

Yxy(22.2575, 0.6295, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	FF1F08
RGB	255, 31, 8
RGB Percent	100%, 12%, 3%
CMY	0.0000, 0.8783, 0.9679
CMYK	0.00, 0.88, 0.97, 0.00
HSL	6°, 100%, 52%
HSV	6°, 97%, 100%
XYZ	41.7743, 22.2575, 2.3293
YIQ	95.3540, 140.8870, 40.3350

Conversions

Conversions Part 2

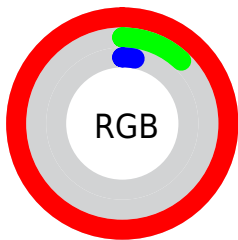
Format	Color
RYB	255, 33, 8
Decimal	16719624
CIELab	54.30, 77.14, 65.69
CIELCh	54, 101.318, 40.414
Yxy	22.2575, 0.6295, 0.3354
Android (android.graphics.Color)	4294909704 (0xFFFF1F08)
YUV	95.3540, -43.0655, 140.0095
Hunter-Lab	47.1779, 75.4941, 30.0972

Details

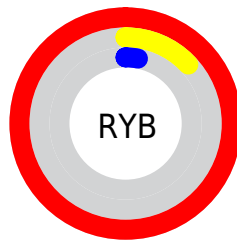
The Yxy color **22.2575, 0.6295, 0.3354** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **65.0720, 0.2170, 0.3001**, and the grayscale version is **11.6220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7333, 0.5400, 0.3629**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.8966, 0.6346, 0.3343**, and if you desaturate by 10%, it is **24.0271, 0.6057, 0.3396**.

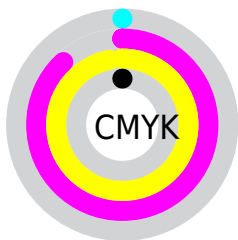
Distribution



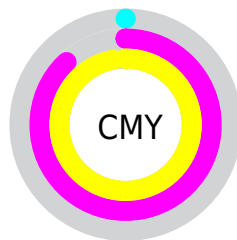
- Red (100%)
- Green (12%)
- Blue (3%)



- Red (100%)
- Yellow (13%)
- Blue (3%)



- Cyan (0%)
- Magenta (88%)
- Yellow (97%)
- Black (0%)




- Cyan (0%)
- Magenta (88%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2575, 0.6295, 0.3354 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 22.2575, 0.6295, 0.3354 by changing the saturation by 10% instead.


 22.2575, 0.6295,
0.3354


 22.2575, 0.6295,
0.3354


263.8881, 0.4683,
0.3587


 14.0462, 0.6631,
0.3199


 47.1712, 0.5746,
0.3514

 8.1528, 0.7032,
0.2968


 64.6425, 0.5525,
0.3552

 4.1929, 0.7411,
0.2589

 85.9691, 0.5334,
0.3574

 1.7820, 0.7928,
0.2072

 111.5357, 0.5168,
0.3586

 0.4759, 0.8770,
0.1230

 141.7264, 0.5023,
0.3592


 0.0000, 1.0000,
0.0000

 176.9258, 0.4895,


 0.0000, 0.0000,


0.3593


0.0000


 217.5182, 0.4783,
0.3591


 22.2575, 0.6295,
0.3354


 22.2575, 0.6295,
0.3354


 21.8966, 0.6346,
0.3343

 24.0271, 0.6057,
0.3396

 26.9279, 0.5685,
0.3424

 31.1105, 0.5239,
0.3434

 36.7009, 0.4782,
0.3427

 43.8100, 0.4361,
0.3408

■ 52.5378, 0.3996,
0.3384

■ 62.9754, 0.3692,
0.3358

■ 75.2074, 0.3443,
0.3331

■ 89.3126, 0.3242,
0.3306

Harmonies

Analogous

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



22.2575, 0.5724, 0.2566



22.2575, 0.6295, 0.3354



22.2575, 0.5666, 0.4334

Triad

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



22.2575, 0.6295, 0.3354



22.2575, 0.1785, 0.5843



22.2575, 0.1300, 0.1147

Complementary

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



22.2575, 0.6295, 0.3354



65.0720, 0.2170, 0.3001

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.



22.2575, 0.0844, 0.1268



22.2575, 0.6295, 0.3354



22.2575, 0.0975, 0.3392

Square

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



22.2575, 0.6295, 0.3354



22.2575, 0.3026, 0.6627



22.2575, 0.0731, 0.1857



22.2575, 0.2288, 0.1336

Rectangle

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



22.2575, 0.6295, 0.3354



22.2575, 0.4855, 0.5145



22.2575, 0.0731, 0.1857



22.2575, 0.1101, 0.1150

Sweetspot

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



22.2589, 0.6295, 0.3354



60.5197, 0.3754, 0.3364



27.4025, 0.3427, 0.1670



11.9904, 0.3882, 0.3375



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.



22.2589, 0.6295, 0.3354



21.8970, 0.6346, 0.3343



43.7853, 0.5139, 0.4283



18.2573, 0.3292, 0.3313



11.5318, 0.6331, 0.3355



1.2097, 0.6193, 0.3465

Inverse Universe

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



65.0720, 0.2170, 0.3001



64.5945, 0.2164, 0.2991



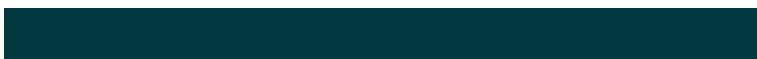
18.6463, 0.1710, 0.1337



20.1769, 0.2980, 0.3267



33.8704, 0.2166, 0.2997



3.3783, 0.2176, 0.3033

Previews

White Background



This preview shows how the Yxy color 22.2575, 0.6295, 0.3354 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 22.2575, 0.6295, 0.3354 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 22.2575, 0.6295, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 22.2575, 0.6295, 0.3354.



This preview shows how white text looks on a background with the Yxy color 22.2575, 0.6295, 0.3354.

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

22.2575, 0.6295, 0.3354

Protanopia

22.4591, 0.4265, 0.4728

Deuteranopia

22.3078, 0.4697, 0.4653



Tritanopia

22.2545, 0.6242, 0.3318

Trichromacy



Original Color

22.2575, 0.6295, 0.3354

Protanomaly

18.6937, 0.5279, 0.4025

Deuteranomaly

19.1892, 0.5531, 0.3975

Tritanomaly

22.2322, 0.6268, 0.3333

Monochromacy



Original Color

22.2575, 0.6295, 0.3354

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.7659, 0.4777, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2575, 0.6295, 0.3354 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, 31, 8)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 8)  
}
```

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, 31, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 8) }
```

Border

The CSS property to change the border of an element to Yxy 22.2575, 0.6295, 0.3354 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, 31, 8) }
```

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

```
.border{ border-color:rgb(255, 31, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 8);  
box-shadow:4px 4px 4px 4px rgb(255, 31, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.2575, 0.6295, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 8) }
```

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

```
.background{ background-color: rgb(255, 31,  
8) }
```

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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