

Converting Colors

$Y_{xy}(22.8197, 0.6268, 0.3404)$

Have a look what the booklet for
Yxy(22.8197, 0.6268, 0.3404)
contains.

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Color

Yxy(22.8459, 0.6267, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	FF2900
RGB	255, 41, 0
RGB Percent	100%, 16%, 0%
CMY	0.0000, 0.8393, 1.0000
CMYK	0.00, 0.84, 1.00, 0.00
HSL	10°, 100%, 50%
HSV	10°, 100%, 100%
XYZ	42.0362, 22.8459, 2.1934
YIQ	100.3120, 140.7050, 32.6170

Conversions

Conversions Part 2

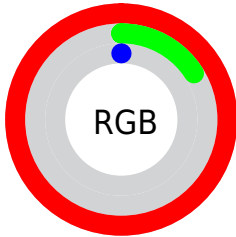
Format	Color
RYB	255, 49, 0
Decimal	16722176
CIELab	54.91, 75.29, 67.85
CIELCh	55, 101.347, 42.024
Yxy	22.8459, 0.6267, 0.3406
Android (android.graphics.Color)	4294912256 (0xFFFF2900)
YUV	100.3120, -49.4538, 135.6614
Hunter-Lab	47.7974, 73.3393, 30.7374

Details

The Yxy color **22.8459, 0.6267, 0.3406** 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 **55.3178, 0.2100, 0.2759**, and the grayscale version is **12.9282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.7488, 0.5377, 0.3695**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.8452, 0.6267, 0.3406**, and if you desaturate by 10%, it is **24.8204, 0.6041, 0.3474**.

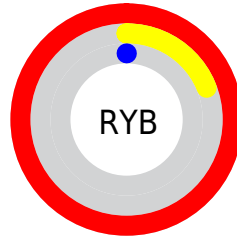
Distribution



Red (100%)

Green (16%)

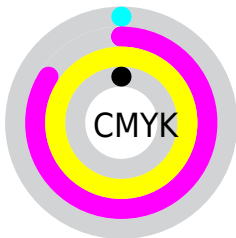
Blue (0%)



Red (100%)

Yellow (19%)

Blue (0%)

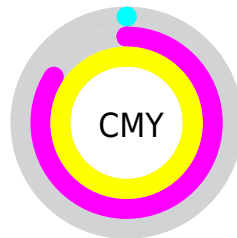


Cyan (0%)

Magenta (84%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8459, 0.6267, 0.3406 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 22.8459, 0.6267, 0.3406 by changing the saturation by 10% instead.


 22.8459, 0.6267,
0.3406


 22.8459, 0.6267,
0.3406


266.9325, 0.4684,
0.3618


 14.4798, 0.6593,
0.3256


 48.1402, 0.5733,
0.3560


 8.4551, 0.6972,
0.3028


 65.8371, 0.5516,
0.3595

 4.3875, 0.7341,
0.2659

 87.4131, 0.5328,
0.3615

 1.8926, 0.7846,
0.2154

 113.2525, 0.5164,
0.3625

 0.5439, 0.8636,
0.1364

 143.7397, 0.5021,
0.3628


 0.0000, 1.0000,
0.0000


 179.2592, 0.4895,


 0.0000, 0.0000,


0.3627


0.0000


 220.1954, 0.4783,
0.3623


 22.8459, 0.6267,
0.3406


 22.8459, 0.6267,
0.3406


 22.8452, 0.6267,
0.3406

 24.8204, 0.6041,
0.3474

 27.8075, 0.5700,
0.3523

 31.9314, 0.5284,
0.3542

 37.2935, 0.4849,
0.3534

 43.9837, 0.4438,
0.3505

■ 52.0835, 0.4075,
0.3465

■ 61.6677, 0.3767,
0.3421

■ 72.8057, 0.3511,
0.3375

■ 85.5627, 0.3300,
0.3331

Harmonies

Analogous

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



22.8459, 0.5773, 0.2615



22.8459, 0.6267, 0.3406



22.8459, 0.5601, 0.4399

Triad

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



22.8459, 0.6267, 0.3406



22.8459, 0.1739, 0.5702



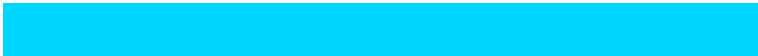
22.8459, 0.1346, 0.1159

Complementary

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



22.8459, 0.6267, 0.3406



55.3178, 0.2100, 0.2759

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.



22.8459, 0.0869, 0.1263



22.8459, 0.6267, 0.3406



22.8459, 0.0962, 0.3280

Square

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



22.8459, 0.6267, 0.3406



22.8459, 0.2966, 0.6625



22.8459, 0.0740, 0.1818



22.8459, 0.2367, 0.1365

Rectangle

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



22.8459, 0.6267, 0.3406



22.8459, 0.4785, 0.5215



22.8459, 0.0740, 0.1818



22.8459, 0.1139, 0.1157

Sweetspot

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



22.8452, 0.6267, 0.3406



61.6677, 0.3767, 0.3421



26.2568, 0.3638, 0.1778



12.2948, 0.3890, 0.3440



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.



22.8452, 0.6267, 0.3406



48.4416, 0.4997, 0.4415



18.4585, 0.3290, 0.3329



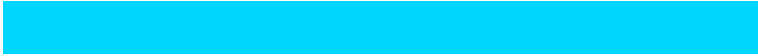
12.0754, 0.6245, 0.3423



1.3041, 0.6055, 0.3574

Inverse Universe

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



55.3178, 0.2100, 0.2759



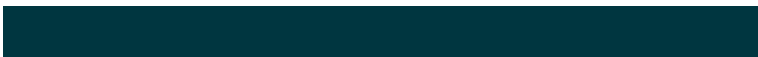
14.4064, 0.1636, 0.1089



19.9548, 0.2980, 0.3251



29.0903, 0.2103, 0.2769



2.9596, 0.2121, 0.2834

Previews

White Background



This preview shows how the Yxy color 22.8459, 0.6267, 0.3406 looks on a white background.

Color Contrast Check

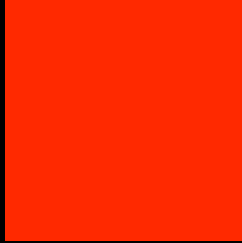
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8459, 0.6267, 0.3406 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 22.8459, 0.6267, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 22.8459, 0.6267, 0.3406.



This preview shows how white text looks on a background with the Yxy color 22.8459, 0.6267, 0.3406.

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

22.8459, 0.6267, 0.3406

Protanopia

22.8974, 0.4294, 0.4747

Deuteranopia

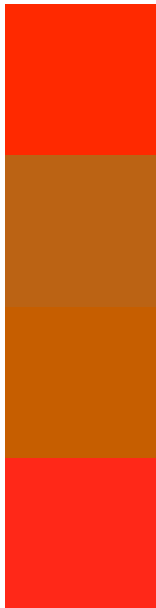
22.7742, 0.4705, 0.4646



Tritanopia

22.8446, 0.6124, 0.3307

Trichromacy



Original Color

22.8459, 0.6267, 0.3406

Protanomaly

19.5390, 0.5255, 0.4093

Deuteranomaly

20.0112, 0.5488, 0.4024

Tritanomaly

22.8435, 0.6195, 0.3356

Monochromacy



Original Color

22.8459, 0.6267, 0.3406

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.0300, 0.4723, 0.3530

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8459, 0.6267, 0.3406 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, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 0)  
}
```

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, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.8459, 0.6267, 0.3406 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, 41, 0) }
```

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

```
.border{ border-color:rgb(255, 41, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 41, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 41, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 22.8459, 0.6267, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 0) }
```

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

```
.background{ background-color: rgb(255, 41,  
0) }
```

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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