

Converting Colors

$Y_{xy}(22.7776, 0.6272, 0.3402)$

Have a look what the booklet for
Yxy(22.7776, 0.6272, 0.3402)
contains.

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Color

Yxy(22.7776, 0.6272, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	FF2800
RGB	255, 40, 0
RGB Percent	100%, 16%, 0%
CMY	0.0001, 0.8428, 1.0000
CMYK	0.00, 0.84, 1.00, 0.00
HSL	9°, 100%, 50%
HSV	9°, 100%, 100%
XYZ	41.9933, 22.7776, 2.1827
YIQ	99.7250, 140.9800, 33.1400

Conversions

Conversions Part 2

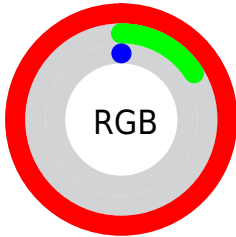
Format	Color
R_{YB}	255, 47, 0
Decimal	16721920
CIE _{Lab}	54.84, 75.46, 67.81
CIE _{LCh}	55, 101.454, 41.944
Yxy	22.7776, 0.6272, 0.3402
Android (android.graphics.Color)	4294912000 (0xFFFF2800)
YUV	99.7250, -49.1644, 136.1762
Hunter-Lab	47.7259, 73.5391, 30.6966

Details

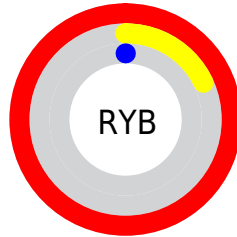
The Yxy color **22.7776, 0.6272, 0.3402** is a dark color, and the websafe version is hex **FF3300**, and the color name is **ferrari red**. The color can be described as dark saturated red. A complement of this color would be **55.7678, 0.2103, 0.2772**, and the grayscale version is **12.7817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5342, 0.5387, 0.3686**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.7791, 0.6272, 0.3402**, and if you desaturate by 10%, it is **24.7271, 0.6048, 0.3469**.

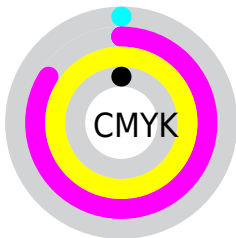
Distribution



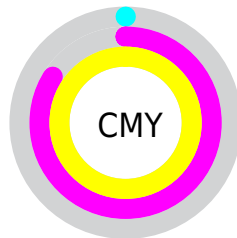
- Red (100%)
- Green (16%)
- Blue (0%)



- Red (100%)
- Yellow (18%)
- 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 22.7776, 0.6272, 0.3402 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 22.7776, 0.6272, 0.3402 by changing the saturation by 10% instead.


 22.7776, 0.6272,
0.3402


 22.7776, 0.6272,
0.3402


266.5806, 0.4686,
0.3616


 14.4294, 0.6599,
0.3251


 48.0279, 0.5737,
0.3557


 8.4199, 0.6978,
0.3022


 65.6987, 0.5520,
0.3593


 4.3648, 0.7349,
0.2651

 87.2459, 0.5331,
0.3613

 1.8796, 0.7855,
0.2145

 113.0538, 0.5167,
0.3623

 0.5361, 0.8650,
0.1350

 143.5069, 0.5023,
0.3626


 0.0000, 1.0000,
0.0000

 178.9894, 0.4897,

 0.0000, 0.0000,


0.3625

0.0000


 219.8859, 0.4785,
0.3622


 22.7776, 0.6272,
0.3402

 22.7776, 0.6272,
0.3402


 22.7791, 0.6272,
0.3402

 24.7271, 0.6048,
0.3469

 27.6908, 0.5707,
0.3517

 31.7965, 0.5289,
0.3536

 37.1472, 0.4853,
0.3528

 43.8338, 0.4441,
0.3501

■ 51.9388, 0.4077,
0.3462

■ 61.5380, 0.3768,
0.3418

■ 72.7016, 0.3511,
0.3373

■ 85.4954, 0.3300,
0.3330

Harmonies

Analogous

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



22.7776, 0.5774, 0.2611



22.7776, 0.6272, 0.3402



22.7776, 0.5605, 0.4395

Triad

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



22.7776, 0.6272, 0.3402



22.7776, 0.1739, 0.5714



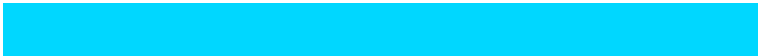
22.7776, 0.1342, 0.1157

Complementary

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



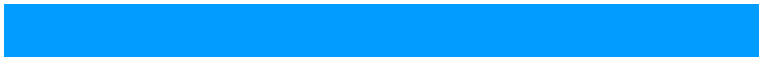
22.7776, 0.6272, 0.3402



55.7678, 0.2103, 0.2772

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.



22.7776, 0.0865, 0.1261



22.7776, 0.6272, 0.3402



22.7776, 0.0960, 0.3284

Square

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



22.7776, 0.6272, 0.3402



22.7776, 0.2967, 0.6630



22.7776, 0.0737, 0.1818



22.7776, 0.2362, 0.1361

Rectangle

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



22.7776, 0.6272, 0.3402



22.7776, 0.4788, 0.5212



22.7776, 0.0737, 0.1818



22.7776, 0.1135, 0.1155

Sweetspot

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



22.7791, 0.6272, 0.3402



61.5493, 0.3768, 0.3418



26.2519, 0.3638, 0.1778



12.2677, 0.3891, 0.3436



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.



22.7791, 0.6272, 0.3402



22.7833, 0.6272, 0.3402



48.4327, 0.4997, 0.4415



18.4479, 0.3291, 0.3328



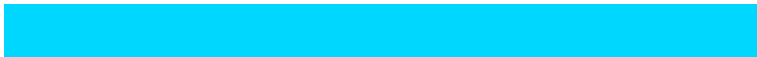
12.0405, 0.6251, 0.3419



1.2992, 0.6062, 0.3569

Inverse Universe

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



55.7678, 0.2103, 0.2772



55.7781, 0.2103, 0.2772



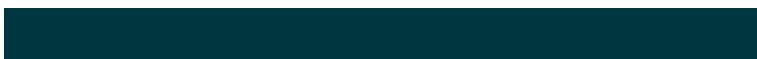
14.4039, 0.1636, 0.1089



19.9664, 0.2980, 0.3252



29.3277, 0.2106, 0.2781



2.9805, 0.2124, 0.2845

Previews

White Background



This preview shows how the Yxy color 22.7776, 0.6272, 0.3402 looks on a white background.

Color Contrast Check

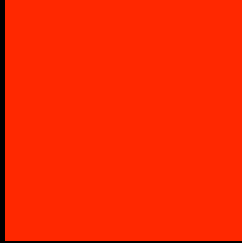
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7776, 0.6272, 0.3402 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 22.7776, 0.6272, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 22.7776, 0.6272, 0.3402.



This preview shows how white text looks on a background with the Yxy color 22.7776, 0.6272, 0.3402.

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

22.7776, 0.6272, 0.3402

Protanopia

22.8974, 0.4294, 0.4747

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.8324, 0.6137, 0.3315

Trichromacy



Original Color

22.7776, 0.6272, 0.3402

Protanomaly

19.5390, 0.5255, 0.4093

Deuteranomaly

20.0112, 0.5488, 0.4024

Tritanomaly

22.7690, 0.6210, 0.3358

Monochromacy



Original Color

22.7776, 0.6272, 0.3402

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.8869, 0.4734, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7776, 0.6272, 0.3402 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.7776, 0.6272, 0.3402 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, 40, 0) }
```

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

```
.border{ border-color:rgb(255, 40, 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, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 40, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 22.7776, 0.6272, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 40, 0) }
```

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

```
.background{ background-color: rgb(255, 40,  
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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