

Converting Colors

$Y_{xy}(22.8292, 0.6226, 0.3376)$

Have a look what the booklet for
Yxy(22.8292, 0.6226, 0.3376)
contains.

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Color

Yxy(22.8150, 0.6228, 0.3376)

Conversions

Conversions Part 1

Format	Color
Hex	FF2810
RGB	255, 40, 16
RGB Percent	100%, 16%, 6%
CMY	0.0001, 0.8429, 0.9372
CMYK	0.00, 0.84, 0.94, 0.00
HSL	6°, 100%, 53%
HSV	6°, 94%, 100%
XYZ	42.0888, 22.8150, 2.6762
YIQ	101.5490, 135.8440, 38.1160

Conversions

Conversions Part 2

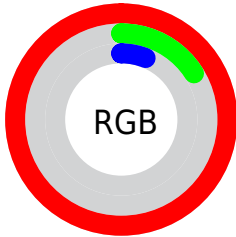
Format	Color
R_{YB}	255, 43, 16
Decimal	16721936
CIE _{Lab}	54.88, 75.58, 64.06
CIE _{LCh}	55, 99.078, 40.282
Yxy	22.8150, 0.6228, 0.3376
Android (android.graphics.Color)	4294912016 (0xFFFF2810)
YUV	101.5490, -42.1757, 134.5765
Hunter-Lab	47.7650, 73.6988, 30.1137

Details

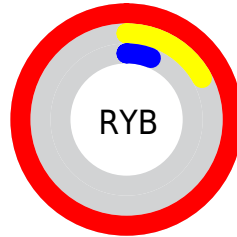
The Yxy color **22.8150, 0.6228, 0.3376** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **64.4483, 0.2169, 0.2986**, and the grayscale version is **13.2575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8415, 0.5311, 0.3642**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.9810, 0.6338, 0.3349**, and if you desaturate by 10%, it is **24.9753, 0.5942, 0.3418**.

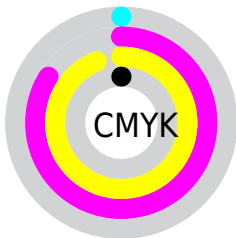
Distribution



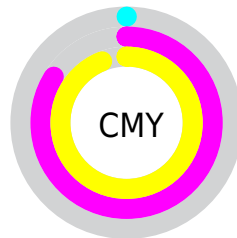
- Red (100%)
- Green (16%)
- Blue (6%)



- Red (100%)
- Yellow (17%)
- Blue (6%)



- Cyan (0%)
- Magenta (84%)
- Yellow (94%)
- Black (0%)





- Cyan (0%)
- Magenta (84%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8150, 0.6228, 0.3376 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 22.8150, 0.6228, 0.3376 by changing the saturation by 10% instead.


 22.8150, 0.6228,
0.3376

 22.8150, 0.6228,
0.3376


266.7734, 0.4644,
0.3582


 14.4570, 0.6561,
0.3231


 48.0894, 0.5685,
0.3523


 8.4392, 0.6980,
0.3020


 65.7745, 0.5467,
0.3557

 4.3772, 0.7350,
0.2650

 87.3375, 0.5280,
0.3576

 1.8867, 0.7855,
0.2145

 113.1626, 0.5117,
0.3586

 0.5404, 0.8647,
0.1353

 143.6344, 0.4975,
0.3590


 0.0000, 1.0000,
0.0000


 179.1372, 0.4851,


 0.0000, 0.0000,


0.3589

0.0000

 220.0554, 0.4741,
0.3587


 22.8150, 0.6228,
0.3376

 22.8150, 0.6228,
0.3376

 21.9810, 0.6338,
0.3349

 24.9753, 0.5942,
0.3418

 28.3065, 0.5540,
0.3441

 32.9463, 0.5087,
0.3445

 39.0118, 0.4640,
0.3433

 46.6073, 0.4238,
0.3411

■ 55.8271, 0.3894,
0.3383

■ 66.7580, 0.3609,
0.3354

■ 79.4807, 0.3376,
0.3326

■ 94.0706, 0.3188,
0.3299

Harmonies

Analogous

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



22.8150, 0.5648, 0.2589



22.8150, 0.6228, 0.3376



22.8150, 0.5638, 0.4344

Triad

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



22.8150, 0.6228, 0.3376



22.8150, 0.1836, 0.5760



22.8150, 0.1332, 0.1183

Complementary

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



22.8150, 0.6228, 0.3376



64.4483, 0.2169, 0.2986

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.



22.8150, 0.0879, 0.1309



22.8150, 0.6228, 0.3376



22.8150, 0.1023, 0.3409

Square

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



22.8150, 0.6228, 0.3376



22.8150, 0.3067, 0.6537



22.8150, 0.0770, 0.1901



22.8150, 0.2305, 0.1370

Rectangle

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



22.8150, 0.6228, 0.3376



22.8150, 0.4861, 0.5139



22.8150, 0.0770, 0.1901



22.8150, 0.1134, 0.1188

Sweetspot

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



22.8164, 0.6228, 0.3376



61.8715, 0.3724, 0.3367



27.4029, 0.3464, 0.1699



12.2567, 0.3850, 0.3379



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.



22.8164, 0.6228, 0.3376



21.9837, 0.6338, 0.3349



46.2281, 0.5046, 0.4337



18.2809, 0.3292, 0.3315



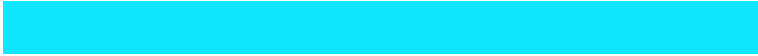
11.5828, 0.6323, 0.3362



1.2209, 0.6176, 0.3478

Inverse Universe

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



64.4483, 0.2169, 0.2986



63.4483, 0.2157, 0.2964



18.8305, 0.1718, 0.1347



20.1506, 0.2980, 0.3265



33.2802, 0.2158, 0.2970



3.3269, 0.2169, 0.3010

Previews

White Background



This preview shows how the Yxy color 22.8150, 0.6228, 0.3376 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 22.8150, 0.6228, 0.3376 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 22.8150, 0.6228, 0.3376

Background



This preview shows how black text looks on a background with the Yxy color 22.8150, 0.6228, 0.3376.



This preview shows how white text looks on a background with the Yxy color 22.8150, 0.6228, 0.3376.

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

22.8150, 0.6228, 0.3376

Protanopia

22.9320, 0.4261, 0.4698

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.8384, 0.6131, 0.3311

Trichromacy



Original Color

22.8150, 0.6228, 0.3376

Protanomaly

19.5772, 0.5205, 0.4048

Deuteranomaly

20.0243, 0.5471, 0.4009

Tritanomaly

22.7997, 0.6174, 0.3337

Monochromacy



Original Color

22.8150, 0.6228, 0.3376

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.3160, 0.4632, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8150, 0.6228, 0.3376 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, 16)` looks like.

```
.text, #text, p{  
    color:rgb(255, 40, 16)  
}
```

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, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 16) }
```

Border

The CSS property to change the border of an element to Yxy 22.8150, 0.6228, 0.3376 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, 16) }
```

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

```
.border{ border-color:rgb(255, 40, 16) }
```

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, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 16);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8150, 0.6228, 0.3376 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, 16) }
```

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

```
.background{ background-color: rgb(255, 40,  
16) }
```

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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