

Converting Colors

$Yxy(22.8664, 0.6187, 0.3353)$

Have a look what the booklet for
Yxy(22.8664, 0.6187, 0.3353)
contains.

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Color

Yxy(22.8478, 0.6190, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	FF2819
RGB	255, 40, 25
RGB Percent	100%, 16%, 10%
CMY	0.0001, 0.8427, 0.9020
CMYK	0.00, 0.84, 0.90, 0.00
HSL	4°, 100%, 55%
HSV	4°, 90%, 100%
XYZ	42.1669, 22.8478, 3.1063
YIQ	102.5750, 132.9550, 40.9150

Conversions

Conversions Part 2

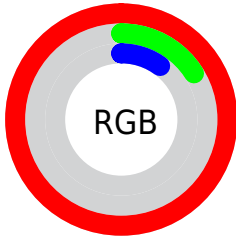
Format	Color
R_{YB}	255, 41, 25
Decimal	16721945
CIE _{Lab}	54.92, 75.67, 61.16
CIE _{LCh}	55, 97.295, 38.944
Yxy	22.8478, 0.6190, 0.3354
Android (android.graphics.Color)	4294912025 (0xFFFF2819)
YUV	102.5750, -38.2445, 133.6767
Hunter-Lab	47.7994, 73.8175, 29.6065

Details

The Yxy color **22.8478, 0.6190, 0.3354** 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 **69.6606, 0.2206, 0.3101**, and the grayscale version is **13.5351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9199, 0.5256, 0.3599**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.6483, 0.6366, 0.3327**, and if you desaturate by 10%, it is **25.1472, 0.5865, 0.3379**.

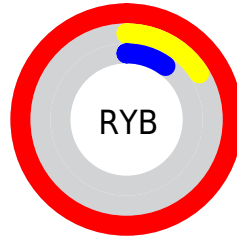
Distribution



Red (100%)

Green (16%)

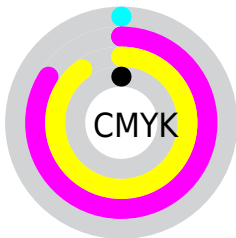
Blue (10%)



Red (100%)

Yellow (16%)

Blue (10%)

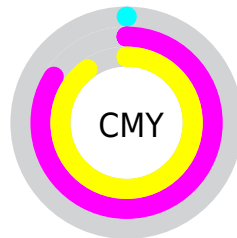


Cyan (0%)

Magenta (84%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (84%)


Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8478, 0.6190, 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 22.8478, 0.6190, 0.3354 by changing the saturation by 10% instead.

 22.8478, 0.6190,
0.3354


 22.8478, 0.6190,
0.3354


266.9423, 0.4610,
0.3555


 14.4812, 0.6531,
0.3214


 48.1433, 0.5642,
0.3495

 8.4561, 0.6980,
0.3020

 65.8409, 0.5425,
0.3528


 4.3881, 0.7350,
0.2650

 87.4177, 0.5238,
0.3547

 1.8930, 0.7856,
0.2144

 113.2580, 0.5077,
0.3557

 0.5441, 0.8643,
0.1357

 143.7462, 0.4937,
0.3561


 0.0000, 1.0000,
0.0000

 179.2667, 0.4814,


 0.0000, 0.0000,


0.3561

0.0000


 220.2040, 0.4706,
0.3559

 22.8478, 0.6190,
0.3354


 22.8478, 0.6190,
0.3354

 21.6483, 0.6366,
0.3327

 25.1472, 0.5865,
0.3379

 28.7135, 0.5433,
0.3391

 33.6961, 0.4966,
0.3391

 40.2221, 0.4519,
0.3380

 48.4047, 0.4126,
0.3364

■ 58.3465, 0.3795,
0.3345

■ 70.1416, 0.3525,
0.3326

■ 83.8777, 0.3306,
0.3307

99.6367, 0.3130,
0.3290

Harmonies

Analogous

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



22.8478, 0.5547, 0.2570



22.8478, 0.6190, 0.3354



22.8478, 0.5652, 0.4297

Triad

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



22.8478, 0.6190, 0.3354



22.8478, 0.1912, 0.5792



22.8478, 0.1323, 0.1204

Complementary

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



22.8478, 0.6190, 0.3354



69.6606, 0.2206, 0.3101

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.



22.8478, 0.0890, 0.1347



22.8478, 0.6190, 0.3354



22.8478, 0.1074, 0.3507

Square

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



22.8478, 0.6190, 0.3354



22.8478, 0.3145, 0.6465



22.8478, 0.0797, 0.1968



22.8478, 0.2262, 0.1377

Rectangle

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



22.8478, 0.6190, 0.3354



22.8478, 0.4917, 0.5083



22.8478, 0.0797, 0.1968



22.8478, 0.1134, 0.1214

Sweetspot

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



22.8492, 0.6190, 0.3354



61.9316, 0.3703, 0.3339



28.4491, 0.3325, 0.1636



12.4422, 0.3802, 0.3346



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.



22.8492, 0.6190, 0.3354



21.6535, 0.6366, 0.3327



43.6122, 0.5115, 0.4245



18.1786, 0.3293, 0.3306



11.3858, 0.6355, 0.3336



1.1726, 0.6250, 0.3419

Inverse Universe

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



69.6606, 0.2206, 0.3101



68.5090, 0.2189, 0.3079



22.9882, 0.1786, 0.1565



20.2649, 0.2980, 0.3274



35.8847, 0.2190, 0.3083



3.5531, 0.2197, 0.3108

Previews

White Background



This preview shows how the Yxy color 22.8478, 0.6190, 0.3354 looks on a white background.

Color Contrast Check

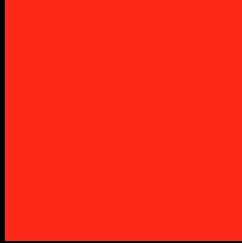
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8478, 0.6190, 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 22.8478, 0.6190, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 22.8478, 0.6190, 0.3354.



This preview shows how white text looks on a background with the Yxy color 22.8478, 0.6190, 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

22.8478, 0.6190, 0.3354

Protanopia

22.8950, 0.4197, 0.4629

Deuteranopia

22.7742, 0.4705, 0.4646



Tritanopia

22.8384, 0.6131, 0.3311

Trichromacy



Original Color

22.8478, 0.6190, 0.3354

Protanomaly

19.5027, 0.5131, 0.3993

Deuteranomaly

20.0309, 0.5462, 0.4002

Tritanomaly

22.8153, 0.6157, 0.3327

Monochromacy



Original Color

22.8478, 0.6190, 0.3354

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5144, 0.4553, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8478, 0.6190, 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, 40, 25)` looks like.

```
.text, #text, p{
  color:rgb(255, 40, 25)
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 40, 25) }
```

Border

The CSS property to change the border of an element to Yxy 22.8478, 0.6190, 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, 40, 25) }
```

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

```
.border{ border-color:rgb(255, 40, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 40, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 40, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 40,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8478, 0.6190, 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, 40, 25) }
```

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

```
.background{ background-color: rgb(255, 40,  
25) }
```

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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