

Converting Colors

Yxy(22.8342, 0.5888, 0.3143)

Have a look what the booklet for
Yxy(22.8342, 0.5888, 0.3143)
contains.

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Color

Yxy(22.8322, 0.5891, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	FF2340
RGB	255, 35, 64
RGB Percent	100%, 14%, 25%
CMY	0.0000, 0.8627, 0.7491
CMYK	0.00, 0.86, 0.75, 0.00
HSL	352°, 100%, 57%
HSV	352°, 86%, 100%
XYZ	42.7677, 22.8322, 6.9985
YIQ	104.0860, 121.8110, 55.6590

Conversions

Conversions Part 2

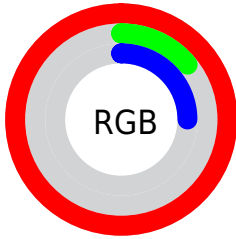
Format	Color
RYB	255, 35, 64
Decimal	16720704
CIELab	54.90, 77.55, 42.13
CIELCh	55, 88.248, 28.512
Yxy	22.8322, 0.5891, 0.3145
Android (android.graphics.Color)	4294910784 (0xFFFF2340)
YUV	104.0860, -19.7624, 132.3516
Hunter-Lab	47.7831, 76.1442, 24.7643

Details

The Yxy color **22.8322, 0.5891, 0.3145** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **77.3707, 0.2369, 0.3653**, and the grayscale version is **13.8971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1550, 0.4865, 0.3257**, and **10.8730, 0.6269, 0.3227** is the 20% darker color. If you saturate the color by 10%, you get **21.6323, 0.6183, 0.3203**, and if you desaturate by 10%, it is **25.2189, 0.5493, 0.3108**.

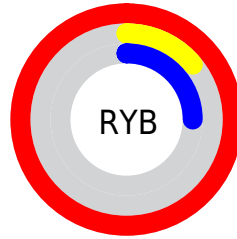
Distribution



Red (100%)

Green (14%)

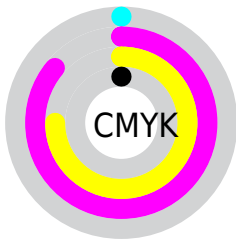
Blue (25%)



Red (100%)

Yellow (14%)

Blue (25%)

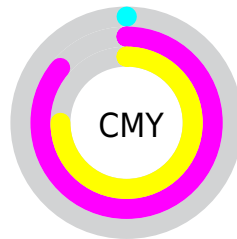


Cyan (0%)

Magenta (86%)

Yellow (75%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8322, 0.5891, 0.3145 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 22.8322, 0.5891, 0.3145 by changing the saturation by 10% instead.


 22.8322, 0.5891,
0.3145


 22.8322, 0.5891,
0.3145


266.8620, 0.4397,
0.3366


 14.4697, 0.6261,
0.3030


 48.1177, 0.5340,
0.3268

 8.4480, 0.6714,
0.2849


 65.8093, 0.5134,
0.3302

 4.3830, 0.7369,
0.2597

 87.3796, 0.4960,
0.3324

 1.8900, 0.7901,
0.2099

 113.2127, 0.4813,
0.3340

 0.5424, 0.8685,
0.1315

 143.6931, 0.4686,
0.3351

 0.0000, 1.0000,
0.0000

 179.2051, 0.4577,

 0.0000, 0.0000,

0.3358

0.0000

220.1333, 0.4481,
0.3363

■ 22.8322, 0.5891,
0.3145

■ 22.8322, 0.5891,
0.3145

■ 21.6323, 0.6183,
0.3203

■ 25.2189, 0.5493,
0.3108


■ 21.3730, 0.6262,
0.3223


■ 29.0050, 0.5049,
0.3097


■ 34.3625, 0.4614,
0.3107

■ 41.4385, 0.4224,
0.3132

■ 50.3629, 0.3892,
0.3164

 61.2533, 0.3619,
0.3200

 74.2176, 0.3398,
0.3236

 89.3556, 0.3220,
0.3270

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



22.8322, 0.4860, 0.2389



22.8322, 0.5891, 0.3145



22.8322, 0.5770, 0.3983

Triad

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



22.8322, 0.5891, 0.3145



22.8322, 0.2437, 0.5987



22.8322, 0.1241, 0.1336

Complementary

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



22.8322, 0.5891, 0.3145



77.3707, 0.2369, 0.3653

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.



22.8322, 0.0943, 0.1620



22.8322, 0.5891, 0.3145



22.8322, 0.1443, 0.4218

Square

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



22.8322, 0.5891, 0.3145



22.8322, 0.3664, 0.6016



22.8322, 0.0977, 0.2474



22.8322, 0.1957, 0.1398

Rectangle

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



22.8322, 0.5891, 0.3145



22.8322, 0.5230, 0.4653



22.8322, 0.0977, 0.2474



22.8322, 0.1103, 0.1386

Sweetspot

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



22.8324, 0.5891, 0.3145



61.5771, 0.3613, 0.3201



24.5377, 0.2916, 0.1434



12.3193, 0.3700, 0.3188



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.



22.8324, 0.5891, 0.3145



21.3730, 0.6262, 0.3223



33.7967, 0.5479, 0.3878



18.0260, 0.3274, 0.3259



11.1798, 0.6234, 0.3208



1.1000, 0.5982, 0.3069

Inverse Universe

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



22.8324, 0.5891, 0.3145



21.3730, 0.6262, 0.3223



37.9797, 0.1973, 0.2207



18.0260, 0.3274, 0.3259



11.1798, 0.6234, 0.3208



1.1000, 0.5982, 0.3069

Previews

White Background



This preview shows how the Yxy color 22.8322, 0.5891, 0.3145 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 22.8322, 0.5891, 0.3145 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 22.8322, 0.5891, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 22.8322, 0.5891, 0.3145.



This preview shows how white text looks on a background with the Yxy color 22.8322, 0.5891, 0.3145.

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

22.8322, 0.5891, 0.3145

Protanopia

23.0615, 0.3669, 0.3949

Deuteranopia

22.7900, 0.4448, 0.4366



Tritanopia

22.7966, 0.6104, 0.3312

Trichromacy



Original Color

22.8322, 0.5891, 0.3145

Protanomaly

19.2412, 0.4598, 0.3488

Deuteranomaly

19.8004, 0.5165, 0.3713

Tritanomaly

22.7271, 0.6042, 0.3261

Monochromacy



Original Color

22.8322, 0.5891, 0.3145

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.6842, 0.4326, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8322, 0.5891, 0.3145 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, 35, 64)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 64)  
}
```

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, 35, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 64) }
```

Border

The CSS property to change the border of an element to Yxy 22.8322, 0.5891, 0.3145 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, 35, 64) }
```

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

```
.border{ border-color:rgb(255, 35, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 35, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 64);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8322, 0.5891, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 64) }
```

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

```
.background{ background-color: rgb(255, 35,  
64) }
```

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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