

Converting Colors

$Y_{xy}(22.8816, 0.5675, 0.3276)$

Have a look what the booklet for
Yxy(22.8816, 0.5675, 0.3276)
contains.

Yxy(22.8816, 0.5675, 0.3276)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8816, 0.5675, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	F33E41
RGB	243, 62, 65
RGB Percent	95%, 24%, 25%
CMY	0.0471, 0.7568, 0.7451
CMYK	0.00, 0.74, 0.73, 0.05
HSL	359°, 88%, 60%
HSV	359°, 74%, 95%
XYZ	39.6377, 22.8816, 7.3269
YIQ	116.4610, 106.9130, 39.3050

Conversions

Conversions Part 2

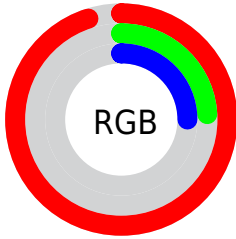
Format	Color
R_{YB}	243, 62, 65
Decimal	15941185
CIE _{Lab}	54.95, 67.74, 40.98
CIE _{LCh}	55, 79.171, 31.172
Yxy	22.8816, 0.5675, 0.3276
Android (android.graphics.Color)	4294131265 (0xFFFF33E41)
YUV	116.4610, -25.3703, 110.9747
Hunter-Lab	47.8347, 64.2012, 24.4028

Details

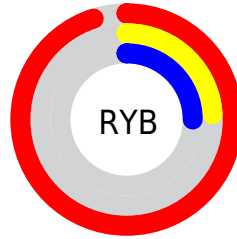
The Yxy color **22.8816, 0.5675, 0.3276** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **71.4161, 0.2317, 0.3325**, and the grayscale version is **17.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6182, 0.4754, 0.3393**, and **9.5191, 0.6251, 0.3217** is the 20% darker color. If you saturate the color by 10%, you get **20.5831, 0.6068, 0.3283**, and if you desaturate by 10%, it is **26.4802, 0.5205, 0.3273**.

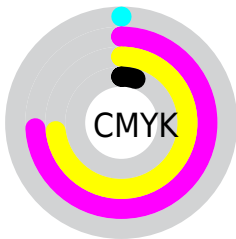
Distribution



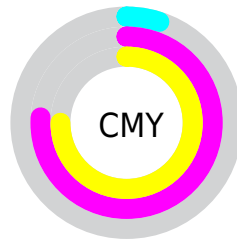
- Red (95%)
- Green (24%)
- Blue (25%)



- Red (95%)
- Yellow (24%)
- Blue (25%)



- Cyan (0%)
- Magenta (74%)
- Yellow (73%)
- Black (5%)





- Cyan (5%)
- Magenta (76%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8816, 0.5675, 0.3276 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 22.8816, 0.5675, 0.3276 by changing the saturation by 10% instead.

 22.8816, 0.5675,
0.3276


 22.8816, 0.5675,
0.3276


267.1163, 0.4288,
0.3412

 14.5061, 0.6026,
0.3186


 48.1988, 0.5159,
0.3365

 8.4735, 0.6463,
0.3035


 65.9094, 0.4967,
0.3386


 4.3994, 0.7093,
0.2816

 87.5004, 0.4806,
0.3398

 1.8994, 0.7651,
0.2349

 113.3563, 0.4670,
0.3406

 0.5480, 0.8456,
0.1544

 143.8614, 0.4554,
0.3410

 0.0000, 1.0000,
0.0000

 179.4002, 0.4453,

 0.0000, 0.0000,

0.3412

0.0000

220.3570, 0.4365,
0.3412

■ 22.8816, 0.5675,
0.3276

■ 22.8816, 0.5675,
0.3276

■ 20.5831, 0.6068,
0.3283

■ 26.4802, 0.5205,
0.3273

■ 19.3937, 0.6315,
0.3291

■ 31.5276, 0.4730,
0.3272


■ 19.0626, 0.6388,
0.3293

■ 38.1568, 0.4300,
0.3274

■ 46.4846, 0.3934,
0.3277

■ 56.6168, 0.3634,
0.3281

 68.6507, 0.3393,
0.3285

 82.6766, 0.3200,
0.3288

 97.7939, 0.3054,
0.3290

Harmonies

Analogous

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



22.8816, 0.4810, 0.2537



22.8816, 0.5675, 0.3276



22.8816, 0.5541, 0.4097

Triad

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



22.8816, 0.5675, 0.3276



22.8816, 0.2449, 0.5575



22.8816, 0.1414, 0.1464

Complementary

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



22.8816, 0.5675, 0.3276



71.4161, 0.2317, 0.3325

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.



22.8816, 0.1093, 0.1716



22.8816, 0.5675, 0.3276



22.8816, 0.1536, 0.3969

Square

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



22.8816, 0.5675, 0.3276



22.8816, 0.3601, 0.5834



22.8816, 0.1110, 0.2476



22.8816, 0.2142, 0.1546

Rectangle

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



22.8816, 0.5675, 0.3276



22.8816, 0.5041, 0.4719



22.8816, 0.1110, 0.2476



22.8816, 0.1267, 0.1506

Sweetspot

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



22.8830, 0.5675, 0.3276



66.2226, 0.3570, 0.3282



28.4400, 0.3172, 0.1676



13.4426, 0.3642, 0.3281



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.



22.8830, 0.5675, 0.3276



22.1959, 0.6206, 0.3287



41.0529, 0.4884, 0.4121



16.4869, 0.3291, 0.3287



10.4646, 0.6384, 0.3290



0.9213, 0.6340, 0.3266

Inverse Universe

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



22.8830, 0.5675, 0.3276



22.1959, 0.6206, 0.3287



31.1133, 0.1994, 0.2070



16.4869, 0.3291, 0.3287



10.4646, 0.6384, 0.3290



0.9213, 0.6340, 0.3266

Previews

White Background



This preview shows how the Yxy color 22.8816, 0.5675, 0.3276 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 22.8816, 0.5675, 0.3276 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 22.8816, 0.5675, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 22.8816, 0.5675, 0.3276.



This preview shows how white text looks on a background with the Yxy color 22.8816, 0.5675, 0.3276.

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

22.8816, 0.5675, 0.3276

Protanopia

23.0467, 0.3748, 0.4047

Deuteranopia

22.8261, 0.4414, 0.4323



Tritanopia

22.8701, 0.5686, 0.3283

Trichromacy



Original Color

22.8816, 0.5675, 0.3276

Protanomaly

20.6783, 0.4499, 0.3678

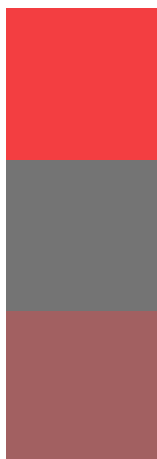
Deuteranomaly

21.1457, 0.4975, 0.3825

Tritanomaly

22.8701, 0.5686, 0.3283

Monochromacy



Original Color

22.8816, 0.5675, 0.3276

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9102, 0.4116, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8816, 0.5675, 0.3276 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(243, 62, 65)` looks like.

```
.text, #text, p{  
  color:rgb(243, 62, 65)  
}
```

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(243, 62, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 62, 65) }
```

Border

The CSS property to change the border of an element to Yxy 22.8816, 0.5675, 0.3276 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(243, 62, 65) }
```

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

```
.border{ border-color:rgb(243, 62, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 62, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 62, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 62, 65);  
box-shadow:4px 4px 4px 4px rgb(243, 62,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8816, 0.5675, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 62, 65) }
```

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

```
.background{ background-color: rgb(243, 62,  
65) }
```

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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