

Converting Colors

$Yxy(20.8149, 0.6144, 0.3384)$

Have a look what the booklet for
Yxy(20.8149, 0.6144, 0.3384)
contains.

Yxy(20.7446, 0.6146, 0.3384)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.7446, 0.6146, 0.3384)

Conversions

Conversions Part 1

Format	Color
Hex	F22C18
RGB	242, 44, 24
RGB Percent	95%, 17%, 9%
CMY	0.0511, 0.8271, 0.9060
CMYK	0.00, 0.82, 0.90, 0.05
HSL	6°, 89%, 52%
HSV	6°, 90%, 95%
XYZ	37.6762, 20.7446, 2.8812
YIQ	100.9220, 124.4280, 35.7560

Conversions

Conversions Part 2

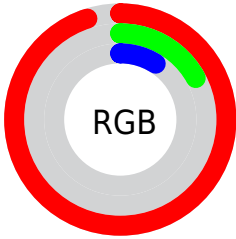
Format	Color
R_{YB}	242, 46, 24
Decimal	15871000
CIE _{Lab}	52.67, 71.31, 58.80
CIE _{LCh}	53, 92.421, 39.507
Yxy	20.7446, 0.6146, 0.3384
Android (android.graphics.Color)	4294061080 (0xFFFF22C18)
YUV	100.9220, -37.9225, 123.7254
Hunter-Lab	45.5462, 67.9507, 28.1318

Details

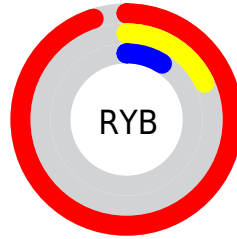
The Yxy color **20.7446, 0.6146, 0.3384** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.7717, 0.2186, 0.3024**, and the grayscale version is **13.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9063, 0.5266, 0.3606**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.4584, 0.6344, 0.3345**, and if you desaturate by 10%, it is **22.9895, 0.5811, 0.3417**.

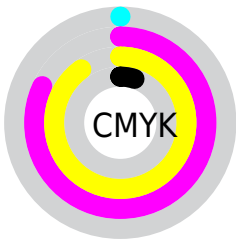
Distribution



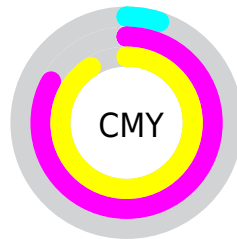
- Red (95%)
- Green (17%)
- Blue (9%)



- Red (95%)
- Yellow (18%)
- Blue (9%)



- Cyan (0%)
- Magenta (82%)
- Yellow (90%)
- Black (5%)




- Cyan (5%)
- Magenta (83%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7446, 0.6146, 0.3384 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 20.7446, 0.6146, 0.3384 by changing the saturation by 10% instead.


 20.7446, 0.6146,
0.3384


 20.7446, 0.6146,
0.3384


255.9181, 0.4560,
0.3563


 12.9374, 0.6496,
0.3244


 44.6621, 0.5588,
0.3519


 7.3855, 0.6957,
0.3043


 61.5412, 0.5369,
0.3548

 3.7043, 0.7345,
0.2655

 82.2131, 0.5182,
0.3564

 1.5096, 0.7885,
0.2115

 107.0622, 0.5021,
0.3571

 0.2955, 0.9000,
0.1000

 136.4728, 0.4882,
0.3573


 0.0000, 1.0000,
0.0000


 170.8294, 0.4761,

 0.0000, 0.0000,


0.3572


0.0000

 210.5164, 0.4654,
0.3568


 20.7446, 0.6146,
0.3384


 20.7446, 0.6146,
0.3384


 19.4584, 0.6344,
0.3345

 22.9895, 0.5811,
0.3417

 26.3272, 0.5382,
0.3432

 30.8752, 0.4923,
0.3430

 36.7351, 0.4489,
0.3415

 43.9975, 0.4106,
0.3392

■ 52.7451, 0.3783,
0.3366

■ 63.0542, 0.3518,
0.3339

■ 74.9958, 0.3303,
0.3314

■ 88.6364, 0.3129,
0.3290

Harmonies

Analogous

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



20.7446, 0.5529, 0.2600



20.7446, 0.6146, 0.3384



20.7446, 0.5613, 0.4326

Triad

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



20.7446, 0.6146, 0.3384



20.7446, 0.1919, 0.5700



20.7446, 0.1357, 0.1228

Complementary

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



20.7446, 0.6146, 0.3384



58.7717, 0.2186, 0.3024

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.



20.7446, 0.0917, 0.1366



20.7446, 0.6146, 0.3384



20.7446, 0.1093, 0.3470

Square

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



20.7446, 0.6146, 0.3384



20.7446, 0.3140, 0.6420



20.7446, 0.0821, 0.1974



20.7446, 0.2300, 0.1405

Rectangle

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



20.7446, 0.6146, 0.3384



20.7446, 0.4893, 0.5107



20.7446, 0.0821, 0.1974



20.7446, 0.1165, 0.1236

Sweetspot

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



20.7459, 0.6146, 0.3384



62.7315, 0.3698, 0.3358



24.8957, 0.3408, 0.1685



12.6246, 0.3795, 0.3367



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.



20.7459, 0.6146, 0.3384



21.8938, 0.6346, 0.3343



41.1164, 0.5025, 0.4316



15.9932, 0.3291, 0.3312



10.5400, 0.6329, 0.3357



0.9560, 0.6169, 0.3484

Inverse Universe

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



58.7717, 0.2186, 0.3024



64.6386, 0.2165, 0.2992



18.8207, 0.1762, 0.1473



17.6650, 0.2981, 0.3268



30.9579, 0.2166, 0.2998



2.6476, 0.2178, 0.3040

Previews

White Background



This preview shows how the Yxy color 20.7446, 0.6146, 0.3384 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 20.7446, 0.6146, 0.3384 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 20.7446, 0.6146, 0.3384

Background



This preview shows how black text looks on a background with the Yxy color 20.7446, 0.6146, 0.3384.



This preview shows how white text looks on a background with the Yxy color 20.7446, 0.6146, 0.3384.

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

20.7446, 0.6146, 0.3384

Protanopia

21.0159, 0.4190, 0.4633

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.6933, 0.6042, 0.3304

Trichromacy



Original Color

20.7446, 0.6146, 0.3384

Protanomaly

18.1417, 0.5094, 0.4026

Deuteranomaly

18.4928, 0.5420, 0.4031

Tritanomaly

20.7263, 0.6084, 0.3337

Monochromacy



Original Color

20.7446, 0.6146, 0.3384

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8938, 0.4502, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7446, 0.6146, 0.3384 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(242, 44, 24)` looks like.

```
.text, #text, p{  
    color:rgb(242, 44, 24)  
}
```

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(242, 44, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 44, 24) }
```

Border

The CSS property to change the border of an element to Yxy 20.7446, 0.6146, 0.3384 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(242, 44, 24) }
```

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

```
.border{ border-color:rgb(242, 44, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 44, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 44, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 44, 24);  
box-shadow:4px 4px 4px 4px rgb(242, 44,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7446, 0.6146, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 44, 24) }
```

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

```
.background{ background-color: rgb(242, 44,  
24) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor