

Converting Colors

$Y_{xy}(21.1358, 0.6001, 0.3395)$

Have a look what the booklet for
Yxy(21.1358, 0.6001, 0.3395)
contains.

Yxy(21.0243, 0.6000, 0.3392)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0243, 0.6000, 0.3392)

Conversions

Conversions Part 1

Format	Color
Hex	EF3524
RGB	239, 53, 36
RGB Percent	94%, 21%, 14%
CMY	0.0627, 0.7921, 0.8587
CMYK	0.00, 0.78, 0.85, 0.06
HSL	5°, 86%, 54%
HSV	5°, 85%, 94%
XYZ	37.1892, 21.0243, 3.7685
YIQ	106.6760, 116.3130, 34.1450

Conversions

Conversions Part 2

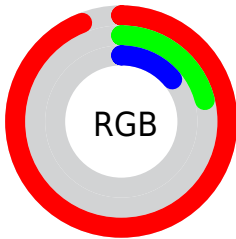
Format	Color
R_{YB}	239, 55, 36
Decimal	15676708
CIE _{Lab}	52.98, 68.39, 53.75
CIE _{LCh}	53, 86.985, 38.162
Yxy	21.0243, 0.6000, 0.3392
Android (android.graphics.Color)	4293866788 (0xFFEF3524)
YUV	106.6760, -34.8433, 116.0481
Hunter-Lab	45.8523, 64.5338, 27.2237

Details

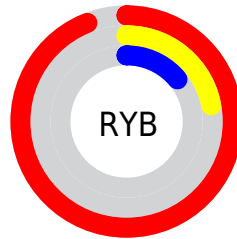
The Yxy color **21.0243, 0.6000, 0.3392** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.8573, 0.2209, 0.3064**, and the grayscale version is **14.6845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1616, 0.5126, 0.3576**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.3636, 0.6266, 0.3356**, and if you desaturate by 10%, it is **23.6962, 0.5608, 0.3414**.

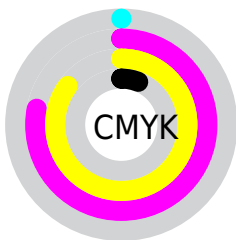
Distribution



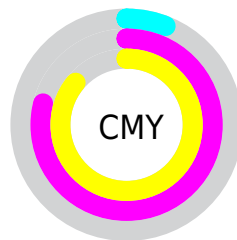
- Red (94%)
- Green (21%)
- Blue (14%)



- Red (94%)
- Yellow (22%)
- Blue (14%)



- Cyan (0%)
- Magenta (78%)
- Yellow (85%)
- Black (6%)





- Cyan (6%)
- Magenta (79%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0243, 0.6000, 0.3392 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 21.0243, 0.6000, 0.3392 by changing the saturation by 10% instead.


 21.0243, 0.6000,
0.3392


 21.0243, 0.6000,
0.3392


257.4076, 0.4468,
0.3533


 13.1418, 0.6355,
0.3272


 45.1280, 0.5449,
0.3504


 7.5262, 0.6819,
0.3091


 62.1179, 0.5238,
0.3528

 3.7933, 0.7259,
0.2741

 82.9124, 0.5058,
0.3539

 1.5586, 0.7789,
0.2211

 107.8959, 0.4904,
0.3544

 0.3295, 0.8866,
0.1134

 137.4528, 0.4772,
0.3545

 0.0000, 1.0000,
0.0000

 171.9674, 0.4657,

 0.0000, 0.0000,

0.3543

0.0000

211.8242, 0.4556,
0.3539

21.0243, 0.6000,
0.3392

21.0243, 0.6000,
0.3392

19.3636, 0.6266,
0.3356

23.6962, 0.5608,
0.3414

18.8516, 0.6350,
0.3340


27.5023, 0.5154,
0.3420


32.5521, 0.4700,
0.3411


38.9409, 0.4287,
0.3393

46.7550, 0.3934,
0.3371

 56.0733, 0.3641,
0.3347

 66.9689, 0.3402,
0.3323

 79.5102, 0.3208,
0.3300

 93.7615, 0.3052,
0.3280

Harmonies

Analogous

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



21.0243, 0.5333, 0.2616



21.0243, 0.6000, 0.3392



21.0243, 0.5559, 0.4290

Triad

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



21.0243, 0.6000, 0.3392



21.0243, 0.2055, 0.5595



21.0243, 0.1403, 0.1307

Complementary

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



21.0243, 0.6000, 0.3392



58.8573, 0.2209, 0.3064

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.



21.0243, 0.0986, 0.1465



21.0243, 0.6000, 0.3392



21.0243, 0.1215, 0.3565

Square

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



21.0243, 0.6000, 0.3392



21.0243, 0.3254, 0.6226



21.0243, 0.0910, 0.2098



21.0243, 0.2294, 0.1466

Rectangle

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



21.0243, 0.6000, 0.3392



21.0243, 0.4907, 0.5020



21.0243, 0.0910, 0.2098



21.0243, 0.1220, 0.1321

Sweetspot

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



21.0256, 0.6000, 0.3392



64.7772, 0.3645, 0.3347



24.8927, 0.3393, 0.1709



13.0087, 0.3742, 0.3355



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.



21.0256, 0.6000, 0.3392



21.8090, 0.6353, 0.3338



41.7307, 0.4927, 0.4325



15.9713, 0.3291, 0.3310



10.4931, 0.6337, 0.3350



0.9456, 0.6189, 0.3468

Inverse Universe

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



58.8573, 0.2209, 0.3064



65.8707, 0.2172, 0.3021



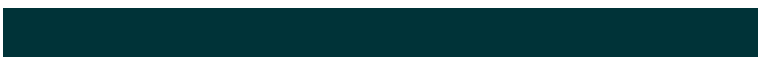
20.1842, 0.1810, 0.1582



17.6893, 0.2981, 0.3270



31.5354, 0.2174, 0.3026



2.6897, 0.2184, 0.3063

Previews

White Background



This preview shows how the Yxy color 21.0243, 0.6000, 0.3392 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 21.0243, 0.6000, 0.3392 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 21.0243, 0.6000, 0.3392

Background



This preview shows how black text looks on a background with the Yxy color 21.0243, 0.6000, 0.3392.



This preview shows how white text looks on a background with the Yxy color 21.0243, 0.6000, 0.3392.

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

21.0243, 0.6000, 0.3392

Protanopia

21.1078, 0.4102, 0.4501

Deuteranopia

21.0100, 0.4722, 0.4633



Tritanopia

20.9663, 0.5872, 0.3292

Trichromacy



Original Color

21.0243, 0.6000, 0.3392

Protanomaly

18.6667, 0.4943, 0.3977

Deuteranomaly

19.2136, 0.5346, 0.4069

Tritanomaly

21.0040, 0.5924, 0.3334

Monochromacy



Original Color

21.0243, 0.6000, 0.3392

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.3790, 0.4344, 0.3393

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0243, 0.6000, 0.3392 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(239, 53, 36)` looks like.

```
.text, #text, p{  
  color:rgb(239, 53, 36)  
}
```

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(239, 53, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 53, 36) }
```

Border

The CSS property to change the border of an element to Yxy 21.0243, 0.6000, 0.3392 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(239, 53, 36) }
```

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

```
.border{ border-color:rgb(239, 53, 36) }
```

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

Here you see how a box with a 4 pixel rgb(239, 53, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 53, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 53, 36);  
box-shadow:4px 4px 4px 4px rgb(239, 53,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0243, 0.6000, 0.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 53, 36) }
```

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

```
.background{ background-color: rgb(239, 53,  
36) }
```

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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