

Converting Colors

$Y_{xy}(20.1021, 0.6046, 0.3352)$

Have a look what the booklet for
Yxy(20.1021, 0.6046, 0.3352)
contains.

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Color

Yxy(20.0859, 0.6042, 0.3351)

Conversions

Conversions Part 1

Format	Color
Hex	ED2E24
RGB	237, 46, 36
RGB Percent	93%, 18%, 14%
CMY	0.0707, 0.8194, 0.8588
CMYK	0.00, 0.81, 0.85, 0.07
HSL	3°, 85%, 54%
HSV	3°, 85%, 93%
XYZ	36.2158, 20.0859, 3.6384
YIQ	101.9690, 117.0460, 37.3820

Conversions

Conversions Part 2

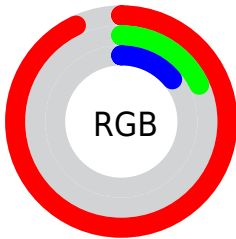
Format	Color
R_{YB}	237, 47, 36
Decimal	15543844
CIE _{Lab}	51.93, 69.66, 52.71
CIE _{LCh}	52, 87.358, 37.112
Yxy	20.0859, 0.6042, 0.3351
Android (android.graphics.Color)	4293733924 (0xFFED2E24)
YUV	101.9690, -32.5227, 118.4222
Hunter-Lab	44.8173, 65.8112, 26.5588

Details

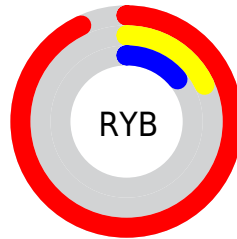
The Yxy color **20.0859, 0.6042, 0.3351** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **61.3906, 0.2234, 0.3156**, and the grayscale version is **13.3504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0520, 0.5168, 0.3528**, and **8.7707, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.6630, 0.6297, 0.3329**, and if you desaturate by 10%, it is **22.5282, 0.5651, 0.3365**.

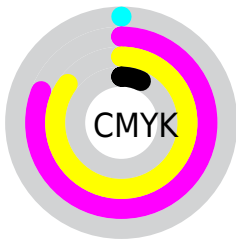
Distribution



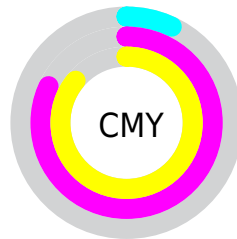
- Red (93%)
- Green (18%)
- Blue (14%)



- Red (93%)
- Yellow (18%)
- Blue (14%)



- Cyan (0%)
- Magenta (81%)
- Yellow (85%)
- Black (7%)





- Cyan (7%)
- Magenta (82%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0859, 0.6042, 0.3351 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 20.0859, 0.6042, 0.3351 by changing the saturation by 10% instead.


 20.0859, 0.6042,
0.3351


 20.0859, 0.6042,
0.3351


252.3798, 0.4476,
0.3516


 12.4575, 0.6408,
0.3222


 43.5612, 0.5477,
0.3473


 7.0561, 0.6895,
0.3034


 60.1768, 0.5260,
0.3500


 3.4972, 0.7338,
0.2662

 80.5570, 0.5077,
0.3514

 1.3965, 0.7890,
0.2110

 105.0861, 0.4920,
0.3521

 0.2141, 0.9185,
0.0815

 134.1485, 0.4785,
0.3524


 0.0000, 1.0000,
0.0000

 168.1287, 0.4669,

 0.0000, 0.0000,


0.3523


0.0000


 207.4110, 0.4566,
0.3520

 20.0859, 0.6042,
0.3351


 20.0859, 0.6042,
0.3351


 18.6630, 0.6297,
0.3329


 22.5282, 0.5651,
0.3365

 18.2602, 0.6374,
0.3321


 26.1289, 0.5189,
0.3369

 31.0095, 0.4724,
0.3364


 37.2748, 0.4302,
0.3353

 45.0191, 0.3940,
0.3339

 54.3283, 0.3642,
0.3324

 65.2819, 0.3401,
0.3310

 77.9536, 0.3206,
0.3296

 92.4130, 0.3050,
0.3284

Harmonies

Analogous

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



20.0859, 0.5328, 0.2575



20.0859, 0.6042, 0.3351



20.0859, 0.5616, 0.4250

Triad

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



20.0859, 0.6042, 0.3351



20.0859, 0.2069, 0.5708



20.0859, 0.1359, 0.1283

Complementary

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



20.0859, 0.6042, 0.3351



61.3906, 0.2234, 0.3156

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.



20.0859, 0.0954, 0.1452



20.0859, 0.6042, 0.3351



20.0859, 0.1205, 0.3635

Square

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



20.0859, 0.6042, 0.3351



20.0859, 0.3282, 0.6264



20.0859, 0.0887, 0.2110



20.0859, 0.2238, 0.1433

Rectangle

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



20.0859, 0.6042, 0.3351



20.0859, 0.4965, 0.4995



20.0859, 0.0887, 0.2110



20.0859, 0.1181, 0.1300

Sweetspot

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



20.0871, 0.6042, 0.3351



63.8108, 0.3650, 0.3325



24.9926, 0.3278, 0.1643



12.7859, 0.3749, 0.3330



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.



20.0871, 0.6042, 0.3351



21.5414, 0.6376, 0.3319



37.8322, 0.5037, 0.4226



15.1747, 0.3292, 0.3302



10.0263, 0.6364, 0.3329



0.8300, 0.6266, 0.3407

Inverse Universe

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



61.3906, 0.2234, 0.3156



70.8752, 0.2203, 0.3130



22.4002, 0.1850, 0.1729



16.9853, 0.2981, 0.3278



32.8433, 0.2204, 0.3134



2.6187, 0.2210, 0.3157

Previews

White Background



This preview shows how the Yxy color 20.0859, 0.6042, 0.3351 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 20.0859, 0.6042, 0.3351 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 20.0859, 0.6042, 0.3351

Background



This preview shows how black text looks on a background with the Yxy color 20.0859, 0.6042, 0.3351.



This preview shows how white text looks on a background with the Yxy color 20.0859, 0.6042, 0.3351.

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

20.0859, 0.6042, 0.3351

Protanopia

20.3463, 0.4074, 0.4480

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0631, 0.5981, 0.3304

Trichromacy



Original Color

20.0859, 0.6042, 0.3351

Protanomaly

17.5778, 0.4952, 0.3926

Deuteranomaly

18.1225, 0.5381, 0.4038

Tritanomaly

20.0414, 0.6008, 0.3320

Monochromacy



Original Color

20.0859, 0.6042, 0.3351

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1640, 0.4380, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0859, 0.6042, 0.3351 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(237, 46, 36)` looks like.

```
.text, #text, p{  
  color:rgb(237, 46, 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(237, 46, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 46, 36) }
```

Border

The CSS property to change the border of an element to Yxy 20.0859, 0.6042, 0.3351 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(237, 46, 36) }
```

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

```
.border{ border-color:rgb(237, 46, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 46, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 46, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 46, 36);  
box-shadow:4px 4px 4px 4px rgb(237, 46,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0859, 0.6042, 0.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 46, 36) }
```

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

```
.background{ background-color: rgb(237, 46,  
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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