

Converting Colors

$Y_{xy}(20.2130, 0.6048, 0.3397)$

Have a look what the booklet for
Yxy(20.2130, 0.6048, 0.3397)
contains.

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Color

Yxy(20.2130, 0.6048, 0.3397)

Conversions

Conversions Part 1

Format	Color
Hex	EC321F
RGB	236, 50, 31
RGB Percent	93%, 20%, 12%
CMY	0.0744, 0.8041, 0.8784
CMYK	0.00, 0.79, 0.87, 0.07
HSL	6°, 84%, 52%
HSV	6°, 87%, 93%
XYZ	35.9871, 20.2130, 3.3024
YIQ	103.4480, 116.9550, 33.5230

Conversions

Conversions Part 2

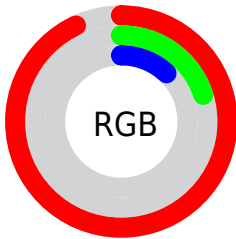
Format	Color
R_{YB}	236, 52, 31
Decimal	15479327
CIE Lab	52.08, 68.28, 55.00
CIE LCh	52, 87.682, 38.851
Yxy	20.2130, 0.6048, 0.3397
Android (android.graphics.Color)	4293669407 (0xFFEC321F)
YUV	103.4480, -35.7169, 116.2481
Hunter-Lab	44.9589, 64.2015, 27.1161

Details

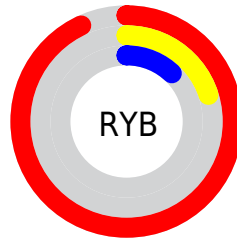
The Yxy color **20.2130, 0.6048, 0.3397** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.0205, 0.2196, 0.3034**, and the grayscale version is **13.7578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6494, 0.5182, 0.3589**, and **8.6579, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.7100, 0.6290, 0.3356**, and if you desaturate by 10%, it is **22.6649, 0.5675, 0.3424**.

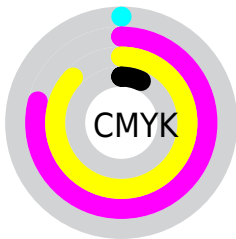
Distribution



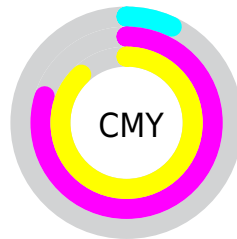
- Red (93%)
- Green (20%)
- Blue (12%)



- Red (93%)
- Yellow (20%)
- Blue (12%)



- Cyan (0%)
- Magenta (79%)
- Yellow (87%)
- Black (7%)





- Cyan (7%)
- Magenta (80%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2130, 0.6048, 0.3397 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 20.2130, 0.6048, 0.3397 by changing the saturation by 10% instead.


 20.2130, 0.6048,
0.3397


 20.2130, 0.6048,
0.3397


253.0659, 0.4489,
0.3547

 12.5500, 0.6406,
0.3269


 43.7740, 0.5490,
0.3517


 7.1194, 0.6901,
0.3090


 60.4408, 0.5274,
0.3541


 3.5369, 0.7296,
0.2704

 80.8776, 0.5091,
0.3554

 1.4180, 0.7844,
0.2156

 105.4688, 0.4935,
0.3559

 0.2300, 0.9118,
0.0882

 134.5988, 0.4800,
0.3559


 0.0000, 1.0000,
0.0000


 168.6521, 0.4683,


 0.0000, 0.0000,


0.3557


0.0000


 208.0130, 0.4580,
0.3552


 20.2130, 0.6048,
0.3397

 20.2130, 0.6048,
0.3397


 18.7100, 0.6290,
0.3356


 22.6649, 0.5675,
0.3424

 18.4039, 0.6342,
0.3346


 26.1850, 0.5229,
0.3433

 30.8790, 0.4775,
0.3426

 36.8385, 0.4356,
0.3408

 44.1462, 0.3993,
0.3384

 52.8777, 0.3691,
0.3357

 63.1030, 0.3443,
0.3331

 74.8874, 0.3242,
0.3306

 88.2926, 0.3080,
0.3283

Harmonies

Analogous

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



20.2130, 0.5406, 0.2618



20.2130, 0.6048, 0.3397



20.2130, 0.5570, 0.4311

Triad

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



20.2130, 0.6048, 0.3397



20.2130, 0.2003, 0.5614



20.2130, 0.1394, 0.1281

Complementary

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



20.2130, 0.6048, 0.3397



56.0205, 0.2196, 0.3034

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.



20.2130, 0.0965, 0.1430



20.2130, 0.6048, 0.3397



20.2130, 0.1171, 0.3519

Square

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



20.2130, 0.6048, 0.3397



20.2130, 0.3208, 0.6291



20.2130, 0.0880, 0.2050



20.2130, 0.2306, 0.1449

Rectangle

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



20.2130, 0.6048, 0.3397



20.2130, 0.4900, 0.5063



20.2130, 0.0880, 0.2050



20.2130, 0.1206, 0.1292

Sweetspot

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



20.2142, 0.6048, 0.3397



63.8729, 0.3670, 0.3355



23.9300, 0.3398, 0.1699



12.8444, 0.3767, 0.3365



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.



20.2142, 0.6048, 0.3397



21.8952, 0.6346, 0.3343



39.9436, 0.4963, 0.4324



15.2777, 0.3291, 0.3312



10.2222, 0.6328, 0.3358



0.8793, 0.6159, 0.3492

Inverse Universe

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



56.0205, 0.2196, 0.3034



64.6199, 0.2164, 0.2992



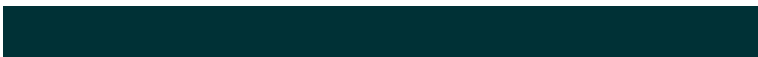
18.9417, 0.1792, 0.1542



16.8700, 0.2981, 0.3268



30.0054, 0.2166, 0.2998



2.4257, 0.2178, 0.3042

Previews

White Background



This preview shows how the Yxy color 20.2130, 0.6048, 0.3397 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 20.2130, 0.6048, 0.3397 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 20.2130, 0.6048, 0.3397

Background



This preview shows how black text looks on a background with the Yxy color 20.2130, 0.6048, 0.3397.



This preview shows how white text looks on a background with the Yxy color 20.2130, 0.6048, 0.3397.

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

20.2130, 0.6048, 0.3397

Protanopia

20.3779, 0.4140, 0.4551

Tritanopia

20.1602, 0.5920, 0.3298

Trichromacy



Original Color

20.2130, 0.6048, 0.3397

Protanomaly

17.9012, 0.4985, 0.4012

Tritanomaly

20.1967, 0.5969, 0.3339

Monochromacy



Original Color

20.2130, 0.6048, 0.3397

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4558, 0.4380, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2130, 0.6048, 0.3397 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(236, 50, 31)` looks like.

```
.text, #text, p{
  color:rgb(236, 50, 31)
}
```

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(236, 50, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 50, 31) }
```

Border

The CSS property to change the border of an element to Yxy 20.2130, 0.6048, 0.3397 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(236, 50, 31) }
```

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

```
.border{ border-color:rgb(236, 50, 31) }
```

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

Here you see how a box with a 4 pixel rgb(236, 50, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 50, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 50, 31);  
box-shadow:4px 4px 4px 4px rgb(236, 50,  
31) }
```

Background

The CSS property to change the background color of an element to Yxy 20.2130, 0.6048, 0.3397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 50, 31) }
```

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

```
.background{ background-color: rgb(236, 50,  
31) }
```

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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