

Converting Colors

$Y_{xy}(20.2597, 0.5629, 0.3116)$

Have a look what the booklet for
Yxy(20.2597, 0.5629, 0.3116)
contains.

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Color

Yxy(20.1631, 0.5632, 0.3116)

Conversions

Conversions Part 1

Format	Color
Hex	EB2F48
RGB	235, 47, 72
RGB Percent	92%, 18%, 28%
CMY	0.0785, 0.8155, 0.7177
CMYK	0.00, 0.80, 0.69, 0.08
HSL	352°, 82%, 55%
HSV	352°, 80%, 92%
XYZ	36.4437, 20.1631, 8.1015
YIQ	106.0620, 104.0230, 47.6310

Conversions

Conversions Part 2

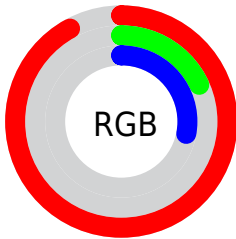
Format	Color
R_{YB}	235, 47, 72
Decimal	15413064
CIE _{Lab}	52.02, 70.05, 33.16
CIE _{LCh}	52, 77.501, 25.331
Yxy	20.1631, 0.5632, 0.3116
Android (android.graphics.Color)	4293603144 (0xFFEB2F48)
YUV	106.0620, -16.7926, 113.0786
Hunter-Lab	44.9033, 66.2904, 20.7352

Details

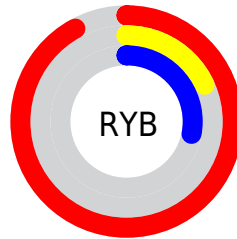
The Yxy color **20.1631, 0.5632, 0.3116** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **64.6687, 0.2383, 0.3624**, and the grayscale version is **14.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.9849, 0.4748, 0.3207**, and **8.7466, 0.6139, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **18.5390, 0.5999, 0.3161**, and if you desaturate by 10%, it is **22.8879, 0.5199, 0.3096**.

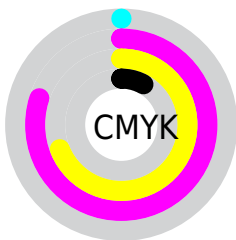
Distribution



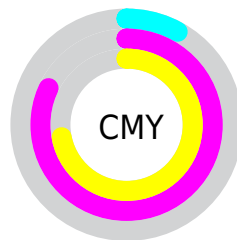
- Red (92%)
- Green (18%)
- Blue (28%)



- Red (92%)
- Yellow (18%)
- Blue (28%)



- Cyan (0%)
- Magenta (80%)
- Yellow (69%)
- Black (8%)





- Cyan (8%)
- Magenta (82%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1631, 0.5632, 0.3116 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 20.1631, 0.5632, 0.3116 by changing the saturation by 10% instead.


 20.1631, 0.5632,
0.3116

 20.1631, 0.5632,
0.3116


252.7967, 0.4232,
0.3319


 12.5137, 0.6007,
0.3013


 43.6905, 0.5097,
0.3226


 7.0945, 0.6486,
0.2846


 60.3372, 0.4903,
0.3256

 3.5213, 0.7162,
0.2591

 80.7518, 0.4742,
0.3277

 1.4096, 0.7894,
0.2106

 105.3186, 0.4607,
0.3291

 0.2238, 0.9164,
0.0836

 134.4222, 0.4492,
0.3302

 0.0000, 1.0000,
0.0000

168.4468, 0.4393,

 0.0000, 0.0000,

0.3310

0.0000

207.7768, 0.4307,
0.3315

■ 20.1631, 0.5632,
0.3116

■ 20.1631, 0.5632,
0.3116

■ 18.5390, 0.5999,
0.3161

■ 22.8879, 0.5199,
0.3096

■ 17.7610, 0.6252,
0.3218

■ 26.8597, 0.4758,
0.3100


■ 17.7597, 0.6253,
0.3218

■ 32.2062, 0.4352,
0.3120


■ 39.0385, 0.4002,
0.3151

■ 47.4560, 0.3710,
0.3186

 57.5497, 0.3472,
0.3222

 69.4037, 0.3281,
0.3257

 83.0964, 0.3127,
0.3290

 96.3997, 0.3005,
0.3290

Harmonies

Analogous

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



20.1631, 0.4574, 0.2386



20.1631, 0.5632, 0.3116



20.1631, 0.5673, 0.3921

Triad

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



20.1631, 0.5632, 0.3116



20.1631, 0.2648, 0.5813



20.1631, 0.1298, 0.1458

Complementary

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



20.1631, 0.5632, 0.3116



64.6687, 0.2383, 0.3624

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.



20.1631, 0.1043, 0.1790



20.1631, 0.5632, 0.3116



20.1631, 0.1650, 0.4344

Square

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



20.1631, 0.5632, 0.3116



20.1631, 0.3824, 0.5766



20.1631, 0.1127, 0.2690



20.1631, 0.1942, 0.1482

Rectangle

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



20.1631, 0.5632, 0.3116



20.1631, 0.5234, 0.4534



20.1631, 0.1127, 0.2690



20.1631, 0.1175, 0.1522

Sweetspot

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



20.1643, 0.5632, 0.3116



64.0153, 0.3564, 0.3207



21.7250, 0.2939, 0.1500



12.7859, 0.3651, 0.3194



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.



20.1643, 0.5632, 0.3116



21.6536, 0.6174, 0.3200



30.3463, 0.5275, 0.3903



15.0866, 0.3272, 0.3259



9.8959, 0.6226, 0.3203



0.7875, 0.5911, 0.3030

Inverse Universe

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



20.1643, 0.5632, 0.3116



21.6536, 0.6174, 0.3200



33.9024, 0.2025, 0.2302



15.0866, 0.3272, 0.3259



9.8959, 0.6226, 0.3203



0.7875, 0.5911, 0.3030

Previews

White Background



This preview shows how the Yxy color 20.1631, 0.5632, 0.3116 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 20.1631, 0.5632, 0.3116 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 20.1631, 0.5632, 0.3116

Background



This preview shows how black text looks on a background with the Yxy color 20.1631, 0.5632, 0.3116.



This preview shows how white text looks on a background with the Yxy color 20.1631, 0.5632, 0.3116.

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

20.1631, 0.5632, 0.3116

Protanopia

20.2409, 0.3508, 0.3733

Deuteranopia

20.3138, 0.4265, 0.4205



Tritanopia

20.1080, 0.5850, 0.3292

Trichromacy



Original Color

20.1631, 0.5632, 0.3116

Protanomaly

17.5389, 0.4322, 0.3385

Deuteranomaly

18.2893, 0.4874, 0.3650

Tritanomaly

20.0894, 0.5777, 0.3236

Monochromacy



Original Color

20.1631, 0.5632, 0.3116

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.0775, 0.4107, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1631, 0.5632, 0.3116 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(235, 47, 72)` looks like.

```
.text, #text, p{  
  color:rgb(235, 47, 72)  
}
```

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(235, 47, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 47, 72) }
```

Border

The CSS property to change the border of an element to Yxy 20.1631, 0.5632, 0.3116 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(235, 47, 72) }
```

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

```
.border{ border-color:rgb(235, 47, 72) }
```

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

Here you see how a box with a 4 pixel rgb(235, 47, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 47, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 47, 72);  
box-shadow:4px 4px 4px 4px rgb(235, 47,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1631, 0.5632, 0.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 47, 72) }
```

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

```
.background{ background-color: rgb(235, 47,  
72) }
```

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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