

Converting Colors

$Y_{xy}(20.1290, 0.5705, 0.3105)$

Have a look what the booklet for
Yxy(20.1290, 0.5705, 0.3105)
contains.

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Color

Yxy(20.0326, 0.5702, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	ED2946
RGB	237, 41, 70
RGB Percent	93%, 16%, 27%
CMY	0.0706, 0.8391, 0.7254
CMYK	0.00, 0.83, 0.70, 0.07
HSL	351°, 84%, 55%
HSV	351°, 83%, 93%
XYZ	36.8233, 20.0326, 7.7237
YIQ	102.9100, 107.5070, 50.5710

Conversions

Conversions Part 2

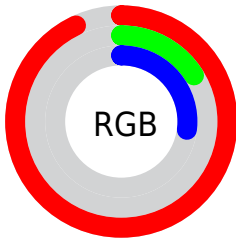
Format	Color
RYB	237, 41, 70
Decimal	15542598
CIELab	51.87, 71.94, 34.23
CIELCh	52, 79.670, 25.448
Yxy	20.0326, 0.5702, 0.3102
Android (android.graphics.Color)	4293732678 (0xFFED2946)
YUV	102.9100, -16.2246, 117.5969
Hunter-Lab	44.7578, 68.5301, 21.0990

Details

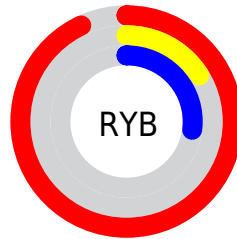
The Yxy color **20.0326, 0.5702, 0.3102** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **65.5921, 0.2389, 0.3679**, and the grayscale version is **13.5646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.2931, 0.4791, 0.3198**, and **8.9634, 0.6172, 0.3174** is the 20% darker color. If you saturate the color by 10%, you get **18.6437, 0.6045, 0.3157**, and if you desaturate by 10%, it is **22.4945, 0.5282, 0.3074**.

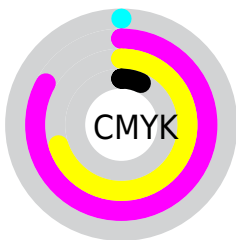
Distribution



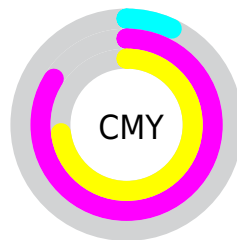
- Red (93%)
- Green (16%)
- Blue (27%)



- Red (93%)
- Yellow (16%)
- Blue (27%)



- Cyan (0%)
- Magenta (83%)
- Yellow (70%)
- Black (7%)




- Cyan (7%)
- Magenta (84%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0326, 0.5702, 0.3102 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 20.0326, 0.5702, 0.3102 by changing the saturation by 10% instead.


 20.0326, 0.5702,
0.3102


 20.0326, 0.5702,
0.3102


252.0915, 0.4265,
0.3320


 12.4187, 0.6083,
0.2993


 43.4718, 0.5155,
0.3219


 7.0295, 0.6568,
0.2817


 60.0660, 0.4956,
0.3251


 3.4806, 0.7265,
0.2556

 80.4224, 0.4790,
0.3273

 1.3875, 0.7953,
0.2047

 104.9254, 0.4651,
0.3289

 0.2075, 0.9238,
0.0762

 133.9594, 0.4533,
0.3301

 0.0000, 1.0000,
0.0000

167.9089, 0.4431,

 0.0000, 0.0000,

0.3309

0.0000

207.1581, 0.4343,
0.3315

■ 20.0326, 0.5702,
0.3102

■ 20.0326, 0.5702,
0.3102

■ 18.6437, 0.6045,
0.3157

■ 22.4945, 0.5282,
0.3074


■ 18.1257, 0.6225,
0.3203


■ 26.1875, 0.4845,
0.3073

■ 31.2470, 0.4434,
0.3092


■ 37.7896, 0.4074,
0.3124

■ 45.9195, 0.3772,
0.3163

 55.7314, 0.3525,
0.3203

 67.3127, 0.3325,
0.3243

 80.7446, 0.3165,
0.3280

 96.1033, 0.3035,
0.3315

Harmonies

Analogous

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



20.0326, 0.4620, 0.2365



20.0326, 0.5702, 0.3102



20.0326, 0.5724, 0.3914

Triad

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



20.0326, 0.5702, 0.3102



20.0326, 0.2617, 0.5898



20.0326, 0.1264, 0.1420

Complementary

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



20.0326, 0.5702, 0.3102



65.5921, 0.2389, 0.3679

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.



20.0326, 0.1006, 0.1750



20.0326, 0.5702, 0.3102



20.0326, 0.1606, 0.4368

Square

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



20.0326, 0.5702, 0.3102



20.0326, 0.3812, 0.5825



20.0326, 0.1084, 0.2660



20.0326, 0.1917, 0.1447

Rectangle

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



20.0326, 0.5702, 0.3102



20.0326, 0.5264, 0.4541



20.0326, 0.1084, 0.2660



20.0326, 0.1140, 0.1484

Sweetspot

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



20.0338, 0.5702, 0.3102



62.8329, 0.3580, 0.3194



21.0537, 0.2895, 0.1452



12.5615, 0.3665, 0.3179



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.



20.0338, 0.5702, 0.3102



21.4679, 0.6210, 0.3201



29.2328, 0.5399, 0.3863



15.0904, 0.3270, 0.3255



9.9080, 0.6195, 0.3187



0.7892, 0.5861, 0.3002

Inverse Universe

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



20.0338, 0.5702, 0.3102



21.4679, 0.6210, 0.3201



34.7414, 0.2015, 0.2312



15.0904, 0.3270, 0.3255



9.9080, 0.6195, 0.3187



0.7892, 0.5861, 0.3002

Previews

White Background



This preview shows how the Yxy color 20.0326, 0.5702, 0.3102 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 20.0326, 0.5702, 0.3102 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 20.0326, 0.5702, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 20.0326, 0.5702, 0.3102.



This preview shows how white text looks on a background with the Yxy color 20.0326, 0.5702, 0.3102.

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

20.0326, 0.5702, 0.3102

Protanopia

20.2217, 0.3520, 0.3751

Deuteranopia

20.0449, 0.4307, 0.4231



Tritanopia

19.9841, 0.5952, 0.3298

Trichromacy



Original Color

20.0326, 0.5702, 0.3102

Protanomaly

17.2560, 0.4382, 0.3385

Deuteranomaly

17.8616, 0.4958, 0.3641

Tritanomaly

19.9101, 0.5870, 0.3230

Monochromacy



Original Color

20.0326, 0.5702, 0.3102

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1681, 0.4178, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0326, 0.5702, 0.3102 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, 41, 70)` looks like.

```
.text, #text, p{  
    color:rgb(237, 41, 70)  
}
```

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, 41, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 41, 70) }
```

Border

The CSS property to change the border of an element to Yxy 20.0326, 0.5702, 0.3102 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, 41, 70) }
```

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

```
.border{ border-color:rgb(237, 41, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 41, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 41, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 41, 70);  
box-shadow:4px 4px 4px 4px rgb(237, 41,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0326, 0.5702, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 41, 70) }
```

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

```
.background{ background-color: rgb(237, 41,  
70) }
```

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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