

Converting Colors

$Yxy(20.4153, 0.6284, 0.3236)$

Have a look what the booklet for
 $Y_{xy}(20.4153, 0.6284, 0.3236)$
contains.

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Color

Yxy(20.4127, 0.6286, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	FA001D
RGB	250, 0, 29
RGB Percent	98%, 0%, 11%
CMY	0.0195, 1.0000, 0.8861
CMYK	0.00, 1.00, 0.88, 0.02
HSL	353°, 100%, 49%
HSV	353°, 100%, 98%
XYZ	39.6521, 20.4127, 3.0152
YIQ	78.0560, 139.6910, 62.0190

Conversions

Conversions Part 2

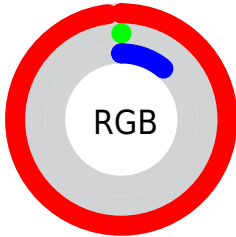
Format	Color
R _Y B	250, 0, 29
Decimal	16384029
CIE Lab	52.30, 79.21, 57.25
CIE LCh	52, 97.730, 35.860
Yxy	20.4127, 0.6286, 0.3236
Android (android.graphics.Color)	4294574109 (0xFFFA001D)
YUV	78.0560, -24.1846, 150.7949
Hunter-Lab	45.1804, 77.5929, 27.6694

Details

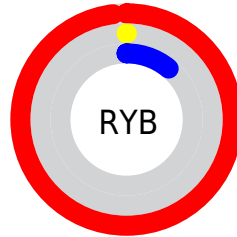
The Yxy color **20.4127, 0.6286, 0.3236** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **73.6030, 0.2351, 0.3663**, and the grayscale version is **7.6585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1616, 0.5356, 0.3455**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.4166, 0.6286, 0.3236**, and if you desaturate by 10%, it is **21.2633, 0.6048, 0.3185**.

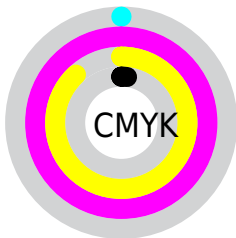
Distribution



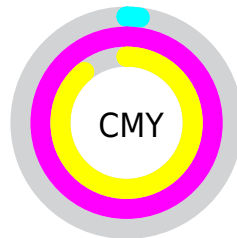
- Red (98%)
- Green (0%)
- Blue (11%)



- Red (98%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (88%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4127, 0.6286, 0.3236 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 20.4127, 0.6286, 0.3236 by changing the saturation by 10% instead.


 20.4127, 0.6286,
0.3236


 20.4127, 0.6286,
0.3236


254.1406, 0.4622,
0.3498


 12.6954, 0.6655,
0.3078


 44.1080, 0.5700,
0.3401

 7.2191, 0.7143,
0.2857


 60.8548, 0.5470,
0.3442

 3.5995, 0.7549,
0.2451


 81.3803, 0.5274,
0.3467

 1.4522, 0.8100,
0.1900

 106.0687, 0.5105,
0.3483

 0.2547, 0.9218,
0.0782

 135.3046, 0.4959,
0.3492

 0.0000, 1.0000,
0.0000

 169.4723, 0.4832,

 0.0000, 0.0000,


0.3497


0.0000


 208.9561, 0.4721,
0.3499


 20.4127, 0.6286,
0.3236

 20.4127, 0.6286,
0.3236


 20.4166, 0.6286,
0.3236

 21.2633, 0.6048,
0.3185

 23.0935, 0.5687,
0.3143

 26.1930, 0.5250,
0.3123

 30.7382, 0.4801,
0.3125

 36.8771, 0.4385,
0.3142

■ 44.7397, 0.4024,
0.3168

■ 54.4424, 0.3724,
0.3199

■ 66.0914, 0.3481,
0.3231

■ 79.7851, 0.3285,
0.3261

Harmonies

Analogous

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



20.4127, 0.5494, 0.2456



20.4127, 0.6286, 0.3236



20.4127, 0.5812, 0.4174

Triad

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



20.4127, 0.6286, 0.3236



20.4127, 0.1968, 0.6113



20.4127, 0.1211, 0.1153

Complementary

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



20.4127, 0.6286, 0.3236



73.6030, 0.2351, 0.3663

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.



20.4127, 0.0816, 0.1329



20.4127, 0.6286, 0.3236



20.4127, 0.1067, 0.3738

Square

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



20.4127, 0.6286, 0.3236



20.4127, 0.3238, 0.6517



20.4127, 0.0751, 0.2022



20.4127, 0.2100, 0.1296

Rectangle

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



20.4127, 0.6286, 0.3236



20.4127, 0.5051, 0.4949



20.4127, 0.0751, 0.2022



20.4127, 0.1036, 0.1172

Sweetspot

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



20.4166, 0.6286, 0.3236



56.9045, 0.3725, 0.3199



22.2522, 0.2911, 0.1377



11.2120, 0.3845, 0.3185



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.



20.4166, 0.6286, 0.3236



21.3518, 0.6287, 0.3237



28.6645, 0.5775, 0.3797



17.2580, 0.3276, 0.3263



10.8381, 0.6261, 0.3223



1.0140, 0.6014, 0.3086

Inverse Universe

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



20.4166, 0.6286, 0.3236



21.3518, 0.6287, 0.3237



30.0738, 0.1877, 0.1957



17.2580, 0.3276, 0.3263



10.8381, 0.6261, 0.3223



1.0140, 0.6014, 0.3086

Previews

White Background



This preview shows how the Yxy color 20.4127, 0.6286, 0.3236 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 20.4127, 0.6286, 0.3236 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 20.4127, 0.6286, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 20.4127, 0.6286, 0.3236.



This preview shows how white text looks on a background with the Yxy color 20.4127, 0.6286, 0.3236.

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

20.4127, 0.6286, 0.3236

Protanopia

20.8234, 0.4139, 0.4525

Deuteranopia

20.8039, 0.4698, 0.4651



Tritanopia

20.5693, 0.6344, 0.3345

Trichromacy



Original Color

20.4127, 0.6286, 0.3236

Protanomaly

15.7355, 0.5294, 0.3725

Deuteranomaly

16.3995, 0.5673, 0.3816

Tritanomaly

20.5055, 0.6338, 0.3307

Monochromacy



Original Color

20.4127, 0.6286, 0.3236

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.2702, 0.4902, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4127, 0.6286, 0.3236 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(250, 0, 29)` looks like.

```
.text, #text, p{  
  color:rgb(250, 0, 29)  
}
```

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(250, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 29) }
```

Border

The CSS property to change the border of an element to Yxy 20.4127, 0.6286, 0.3236 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(250, 0, 29) }
```

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

```
.border{ border-color:rgb(250, 0, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(250, 0, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4127, 0.6286, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 29) }
```

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

```
.background{ background-color: rgb(250, 0,  
29) }
```

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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