

Converting Colors

$Y_{xy}(20.9982, 0.6317, 0.3258)$

Have a look what the booklet for
Yxy(20.9982, 0.6317, 0.3258)
contains.

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Color

Yxy(20.9879, 0.6318, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	FD0217
RGB	253, 2, 23
RGB Percent	99%, 1%, 9%
CMY	0.0080, 0.9908, 0.9099
CMYK	0.00, 0.99, 0.91, 0.01
HSL	355°, 98%, 50%
HSV	355°, 99%, 99%
XYZ	40.6753, 20.9879, 2.7168
YIQ	79.4430, 142.8550, 59.7430

Conversions

Conversions Part 2

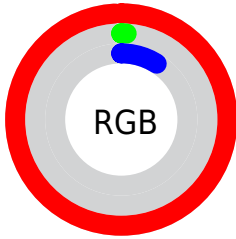
Format	Color
RYB	253, 2, 23
Decimal	16581143
CIELab	52.94, 79.65, 60.41
CIElCh	53, 99.971, 37.179
Yxy	20.9879, 0.6318, 0.3260
Android (android.graphics.Color)	4294771223 (0xFFFD0217)
YUV	79.4430, -27.8264, 152.2095
Hunter-Lab	45.8126, 78.3118, 28.5527

Details

The Yxy color **20.9879, 0.6318, 0.3260** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **76.0901, 0.2320, 0.3547**, and the grayscale version is **7.9828, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2773, 0.5399, 0.3501**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.9298, 0.6333, 0.3262**, and if you desaturate by 10%, it is **21.8893, 0.6094, 0.3222**.

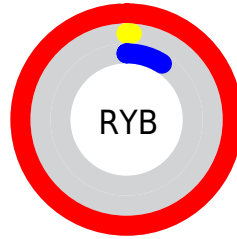
Distribution



Red (99%)

Green (1%)

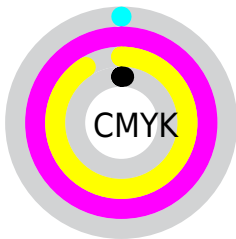
Blue (9%)



Red (99%)

Yellow (1%)

Blue (9%)

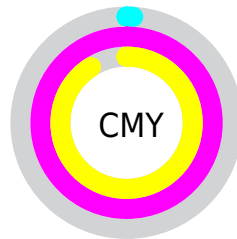


Cyan (0%)

Magenta (99%)

Yellow (91%)

Black (1%)



Cyan (1%)


Magenta (99%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9879, 0.6318, 0.3260 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 20.9879, 0.6318, 0.3260 by changing the saturation by 10% instead.


 20.9879, 0.6318,
0.3260


 20.9879, 0.6318,
0.3260


257.2142, 0.4659,
0.3524


 13.1152, 0.6676,
0.3099


 45.0674, 0.5741,
0.3428


 7.5079, 0.7131,
0.2869


 62.0429, 0.5513,
0.3470

 3.7817, 0.7529,
0.2471


 82.8215, 0.5316,
0.3496

 1.5522, 0.8070,
0.1930

 107.7876, 0.5147,
0.3511

 0.3251, 0.9075,
0.0925

 137.3255, 0.5000,
0.3520

 0.0000, 1.0000,
0.0000

 171.8196, 0.4872,


 0.0000, 0.0000,


0.3524


0.0000

 211.6544, 0.4759,
0.3525


 20.9879, 0.6318,
0.3260


 20.9879, 0.6318,
0.3260


 20.9298, 0.6333,
0.3262

 21.8893, 0.6094,
0.3222

 23.8527, 0.5733,
0.3191

 27.1439, 0.5288,
0.3176

 31.9425, 0.4827,
0.3176

 38.4003, 0.4399,
0.3188

■ 46.6508, 0.4029,
0.3206

■ 56.8137, 0.3722,
0.3228

■ 68.9983, 0.3473,
0.3250

■ 83.3059, 0.3274,
0.3272

Harmonies

Analogous

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



20.9879, 0.5589, 0.2478



20.9879, 0.6318, 0.3260



20.9879, 0.5786, 0.4214

Triad

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



20.9879, 0.6318, 0.3260



20.9879, 0.1897, 0.6079



20.9879, 0.1222, 0.1137

Complementary

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



20.9879, 0.6318, 0.3260



76.0901, 0.2320, 0.3547

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.



20.9879, 0.0810, 0.1296



20.9879, 0.6318, 0.3260



20.9879, 0.1022, 0.3636

Square

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



20.9879, 0.6318, 0.3260



20.9879, 0.3163, 0.6582



20.9879, 0.0730, 0.1957



20.9879, 0.2143, 0.1294

Rectangle

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



20.9879, 0.6318, 0.3260



20.9879, 0.4996, 0.5004



20.9879, 0.0730, 0.1957



20.9879, 0.1041, 0.1151

Sweetspot

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



20.9893, 0.6318, 0.3260



56.7943, 0.3748, 0.3226



24.3104, 0.2999, 0.1428



11.1868, 0.3873, 0.3217



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.



20.9893, 0.6318, 0.3260



21.3141, 0.6333, 0.3262



31.3505, 0.5661, 0.3880



18.0113, 0.3281, 0.3271



11.1454, 0.6313, 0.3252



1.0931, 0.6130, 0.3151

Inverse Universe

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



20.9893, 0.6318, 0.3260



21.3141, 0.6333, 0.3262



28.4563, 0.1849, 0.1850



18.0113, 0.3281, 0.3271



11.1454, 0.6313, 0.3252



1.0931, 0.6130, 0.3151

Previews

White Background



This preview shows how the Yxy color 20.9879, 0.6318, 0.3260 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



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 20.9879, 0.6318, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 20.9879, 0.6318, 0.3260.



This preview shows how white text looks on a background with the Yxy color 20.9879, 0.6318, 0.3260.

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

20.9879, 0.6318, 0.3260

Protanopia

21.4674, 0.4190, 0.4608

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.1220, 0.6346, 0.3343

Trichromacy



Original Color

20.9879, 0.6318, 0.3260



Protanomaly

16.2354, 0.5347, 0.3794



Deuteranomaly

16.9356, 0.5669, 0.3837



Tritanomaly

21.0546, 0.6348, 0.3311

Monochromacy



Original Color

20.9879, 0.6318, 0.3260



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.6114, 0.4933, 0.3183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9879, 0.6318, 0.3260 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(253, 2, 23)` looks like.

```
.text, #text, p{  
    color:rgb(253, 2, 23)  
}
```

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(253, 2, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 2, 23) }
```

Border

The CSS property to change the border of an element to Yxy 20.9879, 0.6318, 0.3260 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(253, 2, 23) }
```

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

```
.border{ border-color:rgb(253, 2, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 2, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 2, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 2, 23);  
box-shadow:4px 4px 4px 4px rgb(253, 2, 23)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.9879, 0.6318, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 2, 23) }
```

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

```
.background{ background-color: rgb(253, 2,  
23) }
```

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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