

Converting Colors

$Y_{xy}(20.1859, 0.6301, 0.3257)$

Have a look what the booklet for
Yxy(20.1859, 0.6301, 0.3257)
contains.

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Color

Yxy(20.1352, 0.6298, 0.3257)

Conversions

Conversions Part 1

Format	Color
Hex	F80519
RGB	248, 5, 25
RGB Percent	97%, 2%, 10%
CMY	0.0275, 0.9794, 0.9022
CMYK	0.00, 0.98, 0.90, 0.03
HSL	355°, 96%, 50%
HSV	355°, 98%, 97%
XYZ	38.9351, 20.1352, 2.7510
YIQ	79.9370, 138.4080, 57.7360

Conversions

Conversions Part 2

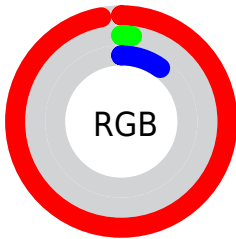
Format	Color
RYB	248, 5, 25
Decimal	16254233
CIELab	51.99, 78.28, 58.54
CIElCh	52, 97.746, 36.789
Yxy	20.1352, 0.6298, 0.3257
Android (android.graphics.Color)	4294444313 (0xFFFF80519)
YUV	79.9370, -27.0839, 147.3913
Hunter-Lab	44.8723, 76.3556, 27.7756

Details

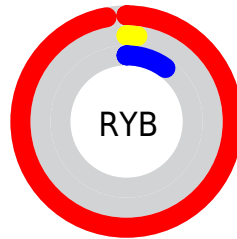
The Yxy color **20.1352, 0.6298, 0.3257** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **72.7725, 0.2319, 0.3540**, and the grayscale version is **8.0712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1202, 0.5387, 0.3478**, and **9.8238, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **20.0033, 0.6333, 0.3262**, and if you desaturate by 10%, it is **21.0950, 0.6057, 0.3219**.

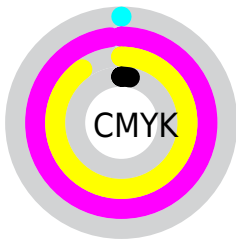
Distribution



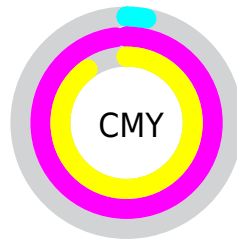
- Red (97%)
- Green (2%)
- Blue (10%)



- Red (97%)
- Yellow (2%)
- Blue (10%)



- Cyan (0%)
- Magenta (98%)
- Yellow (90%)
- Black (3%)





- Cyan (3%)
- Magenta (98%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1352, 0.6298, 0.3257 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 20.1352, 0.6298, 0.3257 by changing the saturation by 10% instead.


 20.1352, 0.6298,
0.3257


 20.1352, 0.6298,
0.3257


252.6461, 0.4632,
0.3516

 12.4934, 0.6664,
0.3096


 43.6437, 0.5713,
0.3423

 7.0806, 0.7134,
0.2866


 60.2792, 0.5483,
0.3464


 3.5126, 0.7542,
0.2458

 80.6814, 0.5287,
0.3489

 1.4048, 0.8099,
0.1901

 105.2346, 0.5117,
0.3504

 0.2203, 0.9289,
0.0711

 134.3233, 0.4971,
0.3512

 0.0000, 1.0000,
0.0000


 168.3319, 0.4843,


 0.0000, 0.0000,


0.3516


0.0000


 207.6447, 0.4731,
0.3517

 20.1352, 0.6298,
0.3257

 20.1352, 0.6298,
0.3257


 20.0033, 0.6333,
0.3262

 21.0950, 0.6057,
0.3219

 23.1197, 0.5682,
0.3190

 26.4345, 0.5232,
0.3177

 31.2068, 0.4773,
0.3179

 37.5786, 0.4351,
0.3191

■ 45.6751, 0.3989,
0.3210

■ 55.6091, 0.3690,
0.3232

■ 67.4839, 0.3447,
0.3253

■ 81.3950, 0.3253,
0.3274

Harmonies

Analogous

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



20.1352, 0.5550, 0.2475



20.1352, 0.6298, 0.3257



20.1352, 0.5793, 0.4207

Triad

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



20.1352, 0.6298, 0.3257



20.1352, 0.1925, 0.6074



20.1352, 0.1224, 0.1147

Complementary

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



20.1352, 0.6298, 0.3257



72.7725, 0.2319, 0.3540

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.



20.1352, 0.0817, 0.1312



20.1352, 0.6298, 0.3257



20.1352, 0.1042, 0.3666

Square

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



20.1352, 0.6298, 0.3257



20.1352, 0.3191, 0.6551



20.1352, 0.0742, 0.1982



20.1352, 0.2134, 0.1300

Rectangle

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



20.1352, 0.6298, 0.3257



20.1352, 0.5012, 0.4988



20.1352, 0.0742, 0.1982



20.1352, 0.1045, 0.1163

Sweetspot

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



20.1365, 0.6298, 0.3257



57.9180, 0.3721, 0.3229



23.3434, 0.3001, 0.1432



11.3978, 0.3845, 0.3220



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.



20.1365, 0.6298, 0.3257



21.3130, 0.6334, 0.3263



30.3528, 0.5634, 0.3893



17.2481, 0.3281, 0.3271



10.8159, 0.6314, 0.3252



1.0093, 0.6124, 0.3147

Inverse Universe

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



20.1365, 0.6298, 0.3257



21.3130, 0.6334, 0.3263



27.6290, 0.1856, 0.1870



17.2481, 0.3281, 0.3271



10.8159, 0.6314, 0.3252



1.0093, 0.6124, 0.3147

Previews

White Background



This preview shows how the Yxy color 20.1352, 0.6298, 0.3257 looks on a white background.

Color Contrast Check

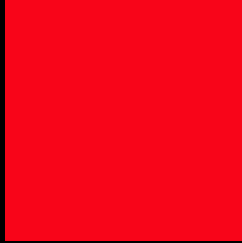
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.1352, 0.6298, 0.3257 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 20.1352, 0.6298, 0.3257

Background



This preview shows how black text looks on a background with the Yxy color 20.1352, 0.6298, 0.3257.



This preview shows how white text looks on a background with the Yxy color 20.1352, 0.6298, 0.3257.

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

20.1352, 0.6298, 0.3257

Protanopia

20.4479, 0.4169, 0.4568

Deuteranopia

20.4628, 0.4702, 0.4649

Trichromacy



Original Color

20.1352, 0.6298, 0.3257

Protanomaly

15.6150, 0.5303, 0.3781

Deuteranomaly

16.5449, 0.5645, 0.3850

Monochromacy



Original Color

20.1352, 0.6298, 0.3257

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.5352, 0.4870, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1352, 0.6298, 0.3257 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(248, 5, 25)` looks like.

```
.text, #text, p{  
  color:rgb(248, 5, 25)  
}
```

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(248, 5, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 5, 25) }
```

Border

The CSS property to change the border of an element to Yxy 20.1352, 0.6298, 0.3257 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(248, 5, 25) }
```

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

```
.border{ border-color:rgb(248, 5, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 5, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 5, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 5, 25);  
box-shadow:4px 4px 4px 4px rgb(248, 5, 25)  
}
```

Background

The CSS property to change the background color of an element to Yxy 20.1352, 0.6298, 0.3257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 5, 25) }
```

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

```
.background{ background-color: rgb(248, 5,  
25) }
```

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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