

Converting Colors

$Y_{xy}(20.7517, 0.5780, 0.3107)$

Have a look what the booklet for
Yxy(20.7517, 0.5780, 0.3107)
contains.

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Color

Yxy(20.7952, 0.5779, 0.3108)

Conversions

Conversions Part 1

Format	Color
Hex	F32544
RGB	243, 37, 68
RGB Percent	95%, 15%, 27%
CMY	0.0471, 0.8548, 0.7333
CMYK	0.00, 0.85, 0.72, 0.05
HSL	351°, 90%, 55%
HSV	351°, 85%, 95%
XYZ	38.6665, 20.7952, 7.4469
YIQ	102.1280, 112.8250, 53.3130

Conversions

Conversions Part 2

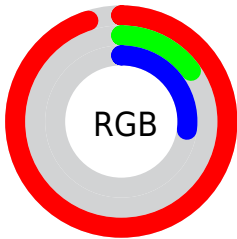
Format	Color
R _Y B	243, 37, 68
Decimal	15934788
CIE Lab	52.72, 74.26, 36.70
CIE LCh	53, 82.831, 26.300
Yxy	20.7952, 0.5779, 0.3108
Android (android.graphics.Color)	4294124868 (0xFFFF32544)
YUV	102.1280, -16.8251, 123.5447
Hunter-Lab	45.6018, 71.5501, 22.2390

Details

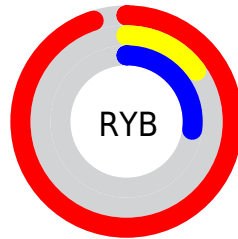
The Yxy color **20.7952, 0.5779, 0.3108** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **69.2465, 0.2387, 0.3698**, and the grayscale version is **13.3497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.0363, 0.4822, 0.3208**, and **9.5352, 0.6209, 0.3194** is the 20% darker color. If you saturate the color by 10%, you get **19.5432, 0.6099, 0.3168**, and if you desaturate by 10%, it is **23.1423, 0.5371, 0.3074**.

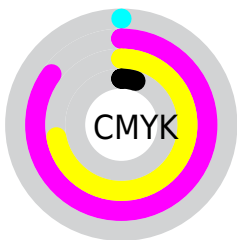
Distribution



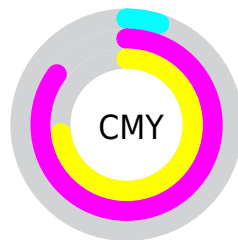
- Red (95%)
- Green (15%)
- Blue (27%)



- Red (95%)
- Yellow (15%)
- Blue (27%)



- Cyan (0%)
- Magenta (85%)
- Yellow (72%)
- Black (5%)




- Cyan (5%)
- Magenta (85%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7952, 0.5779, 0.3108 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 20.7952, 0.5779, 0.3108 by changing the saturation by 10% instead.


 20.7952, 0.5779,
0.3108


 20.7952, 0.5779,
0.3108


256.1881, 0.4313,
0.3332


 12.9744, 0.6160,
0.2995


 44.7464, 0.5227,
0.3229


 7.4109, 0.6637,
0.2816


 61.6457, 0.5024,
0.3262

 3.7204, 0.7326,
0.2555

 82.3398, 0.4854,
0.3285

 1.5184, 0.7956,
0.2044

 107.2132, 0.4712,
0.3301

 0.3016, 0.9037,
0.0963

 136.6504, 0.4590,
0.3313

 0.0000, 1.0000,
0.0000

171.0357, 0.4485,

 0.0000, 0.0000,

0.3321

0.0000

210.7534, 0.4394,
0.3327

■ 20.7952, 0.5779,
0.3108

■ 20.7952, 0.5779,
0.3108

■ 19.5432, 0.6099,
0.3168

■ 23.1423, 0.5371,
0.3074


■ 19.1847, 0.6223,
0.3202


■ 26.7612, 0.4933,
0.3067


■ 31.8009, 0.4514,
0.3083


■ 38.3886, 0.4143,
0.3114

■ 46.6376, 0.3829,
0.3152

 56.6505, 0.3571,
0.3193

 68.5215, 0.3363,
0.3234

 82.3381, 0.3195,
0.3273

 97.7176, 0.3060,
0.3301

Harmonies

Analogous

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



20.7952, 0.4700, 0.2363



20.7952, 0.5779, 0.3108



20.7952, 0.5757, 0.3930

Triad

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



20.7952, 0.5779, 0.3108



20.7952, 0.2558, 0.5955



20.7952, 0.1245, 0.1384

Complementary

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



20.7952, 0.5779, 0.3108



69.2465, 0.2387, 0.3698

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.



20.7952, 0.0975, 0.1700



20.7952, 0.5779, 0.3108



20.7952, 0.1546, 0.4340

Square

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



20.7952, 0.5779, 0.3108



20.7952, 0.3769, 0.5897



20.7952, 0.1040, 0.2600



20.7952, 0.1918, 0.1421

Rectangle

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



20.7952, 0.5779, 0.3108



20.7952, 0.5268, 0.4572



20.7952, 0.1040, 0.2600



20.7952, 0.1117, 0.1443

Sweetspot

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



20.7965, 0.5779, 0.3108



62.8403, 0.3579, 0.3192



21.3028, 0.2851, 0.1411



12.5632, 0.3664, 0.3178



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.



20.7965, 0.5779, 0.3108



21.4023, 0.6227, 0.3204



29.4311, 0.5505, 0.3820



16.5231, 0.3270, 0.3255



10.5418, 0.6194, 0.3186



0.9385, 0.5893, 0.3020

Inverse Universe

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



20.7965, 0.5779, 0.3108



21.4023, 0.6227, 0.3204



37.2686, 0.2013, 0.2334



16.5231, 0.3270, 0.3255



10.5418, 0.6194, 0.3186



0.9385, 0.5893, 0.3020

Previews

White Background



This preview shows how the Yxy color 20.7952, 0.5779, 0.3108 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 20.7952, 0.5779, 0.3108 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 20.7952, 0.5779, 0.3108

Background



This preview shows how black text looks on a background with the Yxy color 20.7952, 0.5779, 0.3108.



This preview shows how white text looks on a background with the Yxy color 20.7952, 0.5779, 0.3108.

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

20.7952, 0.5779, 0.3108

Protanopia

20.9544, 0.3563, 0.3798

Deuteranopia

20.8866, 0.4366, 0.4274



Tritanopia

20.7722, 0.6028, 0.3304

Trichromacy



Original Color

20.7952, 0.5779, 0.3108

Protanomaly

17.6922, 0.4450, 0.3397

Deuteranomaly

18.3299, 0.5040, 0.3664

Tritanomaly

20.7021, 0.5954, 0.3243

Monochromacy



Original Color

20.7952, 0.5779, 0.3108

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9593, 0.4225, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7952, 0.5779, 0.3108 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(243, 37, 68)` looks like.

```
.text, #text, p{  
  color:rgb(243, 37, 68)  
}
```

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(243, 37, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 37, 68) }
```

Border

The CSS property to change the border of an element to Yxy 20.7952, 0.5779, 0.3108 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(243, 37, 68) }
```

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

```
.border{ border-color:rgb(243, 37, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 37, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 37, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 37, 68);  
box-shadow:4px 4px 4px 4px rgb(243, 37,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7952, 0.5779, 0.3108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 37, 68) }
```

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

```
.background{ background-color: rgb(243, 37,  
68) }
```

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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