

Converting Colors

$Y_{xy}(20.6199, 0.5717, 0.3146)$

Have a look what the booklet for
Yxy(20.6199, 0.5717, 0.3146)
contains.

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Color

Yxy(20.7221, 0.5715, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	EF2E44
RGB	239, 46, 68
RGB Percent	94%, 18%, 27%
CMY	0.0627, 0.8196, 0.7334
CMYK	0.00, 0.81, 0.72, 0.06
HSL	353°, 86%, 56%
HSV	353°, 81%, 94%
XYZ	37.6197, 20.7221, 7.4844
YIQ	106.2150, 107.9660, 47.7580

Conversions

Conversions Part 2

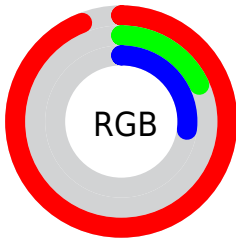
Format	Color
RYB	239, 46, 68
Decimal	15674948
CIELab	52.64, 71.23, 36.42
CIElCh	53, 80.003, 27.083
Yxy	20.7221, 0.5715, 0.3148
Android (android.graphics.Color)	4293865028 (0xFFEF2E44)
YUV	106.2150, -18.8400, 116.4524
Hunter-Lab	45.5215, 67.8525, 22.1169

Details

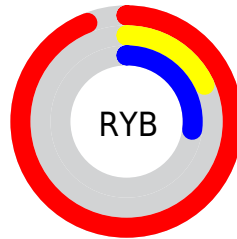
The Yxy color **20.7221, 0.5715, 0.3148** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **67.3305, 0.2366, 0.3578**, and the grayscale version is **14.5048, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8898, 0.4797, 0.3246**, and **9.0689, 0.6199, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **19.1337, 0.6069, 0.3190**, and if you desaturate by 10%, it is **23.4439, 0.5282, 0.3127**.

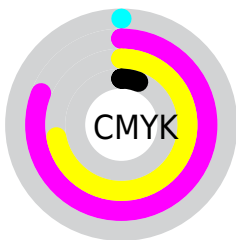
Distribution



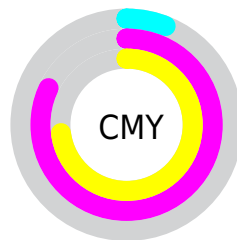
- Red (94%)
- Green (18%)
- Blue (27%)



- Red (94%)
- Yellow (18%)
- Blue (27%)



- Cyan (0%)
- Magenta (81%)
- Yellow (72%)
- Black (6%)





- Cyan (6%)
- Magenta (82%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7221, 0.5715, 0.3148 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 20.7221, 0.5715, 0.3148 by changing the saturation by 10% instead.


 20.7221, 0.5715,
0.3148


 20.7221, 0.5715,
0.3148


255.7979, 0.4281,
0.3346


 12.9210, 0.6090,
0.3043


 44.6246, 0.5173,
0.3259


 7.3742, 0.6563,
0.2871


 61.4948, 0.4974,
0.3288


 3.6972, 0.7249,
0.2621

 82.1568, 0.4809,
0.3308

 1.5057, 0.7885,
0.2115

 106.9950, 0.4669,
0.3322

 0.2927, 0.9005,
0.0995

 136.3938, 0.4550,
0.3332

 0.0000, 1.0000,
0.0000

170.7376, 0.4448,

 0.0000, 0.0000,

0.3338

0.0000

210.4109, 0.4359,
0.3343

■ 20.7221, 0.5715,
0.3148

■ 20.7221, 0.5715,
0.3148

■ 19.1337, 0.6069,
0.3190

■ 23.4439, 0.5282,
0.3127


■ 18.4329, 0.6286,
0.3236

■ 27.4551, 0.4832,
0.3127


■ 32.8911, 0.4413,
0.3143

■ 39.8692, 0.4048,
0.3169

■ 48.4945, 0.3745,
0.3198

 58.8628, 0.3497,
0.3229

 71.0627, 0.3298,
0.3260

 85.1766, 0.3138,
0.3288

 97.0926, 0.3029,
0.3290

Harmonies

Analogous

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



20.7221, 0.4689, 0.2408



20.7221, 0.5715, 0.3148



20.7221, 0.5686, 0.3965

Triad

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



20.7221, 0.5715, 0.3148



20.7221, 0.2560, 0.5832



20.7221, 0.1297, 0.1423

Complementary

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



20.7221, 0.5715, 0.3148



67.3305, 0.2366, 0.3578

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.



20.7221, 0.1020, 0.1729



20.7221, 0.5715, 0.3148



20.7221, 0.1573, 0.4255

Square

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



20.7221, 0.5715, 0.3148



20.7221, 0.3749, 0.5849



20.7221, 0.1080, 0.2597



20.7221, 0.1974, 0.1466

Rectangle

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



20.7221, 0.5715, 0.3148



20.7221, 0.5207, 0.4594



20.7221, 0.1080, 0.2597



20.7221, 0.1166, 0.1480

Sweetspot

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



20.7234, 0.5715, 0.3148



63.9611, 0.3574, 0.3219



22.8601, 0.2970, 0.1508



12.7732, 0.3662, 0.3208



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.



20.7234, 0.5715, 0.3148



21.5525, 0.6232, 0.3226



31.9788, 0.5266, 0.3934



15.7881, 0.3275, 0.3263



10.1949, 0.6262, 0.3223



0.8576, 0.5991, 0.3074

Inverse Universe

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



20.7234, 0.5715, 0.3148



21.5525, 0.6232, 0.3226



33.7312, 0.2005, 0.2241



15.7881, 0.3275, 0.3263



10.1949, 0.6262, 0.3223



0.8576, 0.5991, 0.3074

Previews

White Background



This preview shows how the Yxy color 20.7221, 0.5715, 0.3148 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 20.7221, 0.5715, 0.3148 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 20.7221, 0.5715, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 20.7221, 0.5715, 0.3148.



This preview shows how white text looks on a background with the Yxy color 20.7221, 0.5715, 0.3148.

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

20.7221, 0.5715, 0.3148

Protanopia

20.9171, 0.3586, 0.3834

Deuteranopia

20.7963, 0.4343, 0.4268



Tritanopia

20.6886, 0.5895, 0.3298

Trichromacy



Original Color

20.7221, 0.5715, 0.3148

Protanomaly

18.1055, 0.4428, 0.3457

Deuteranomaly

18.6047, 0.4972, 0.3699

Tritanomaly

20.6692, 0.5826, 0.3246

Monochromacy



Original Color

20.7221, 0.5715, 0.3148

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.9834, 0.4163, 0.3159

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7221, 0.5715, 0.3148 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(239, 46, 68)` looks like.

```
.text, #text, p{  
    color:rgb(239, 46, 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(239, 46, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 46, 68) }
```

Border

The CSS property to change the border of an element to Yxy 20.7221, 0.5715, 0.3148 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(239, 46, 68) }
```

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

```
.border{ border-color:rgb(239, 46, 68) }
```

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

Here you see how a box with a 4 pixel rgb(239, 46, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 46, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 46, 68);  
box-shadow:4px 4px 4px 4px rgb(239, 46,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7221, 0.5715, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 46, 68) }
```

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

```
.background{ background-color: rgb(239, 46,  
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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