

Converting Colors

$Y_{xy}(20.7771, 0.5690, 0.3336)$

Have a look what the booklet for
Yxy(20.7771, 0.5690, 0.3336)
contains.

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Color

Yxy(20.7296, 0.5698, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	E73E39
RGB	231, 62, 57
RGB Percent	91%, 24%, 22%
CMY	0.0941, 0.7568, 0.7763
CMYK	0.00, 0.73, 0.75, 0.09
HSL	2°, 78%, 56%
HSV	2°, 75%, 91%
XYZ	35.4175, 20.7296, 6.0107
YIQ	111.9610, 102.3290, 34.2730

Conversions

Conversions Part 2

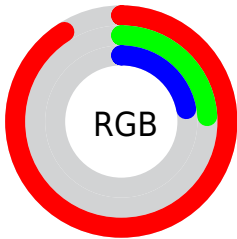
Format	Color
R_{YB}	231, 62, 57
Decimal	15154745
CIE _{Lab}	52.65, 63.89, 42.21
CIE _{LCh}	53, 76.573, 33.455
Yxy	20.7296, 0.5698, 0.3335
Android (android.graphics.Color)	4293344825 (0xFFE73E39)
YUV	111.9610, -27.0958, 104.3972
Hunter-Lab	45.5298, 59.1775, 24.0436

Details

The Yxy color **20.7296, 0.5698, 0.3335** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **61.0533, 0.2286, 0.3222**, and the grayscale version is **16.2518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9547, 0.4858, 0.3450**, and **8.2445, 0.6307, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **18.5927, 0.6082, 0.3327**, and if you desaturate by 10%, it is **23.9806, 0.5234, 0.3337**.

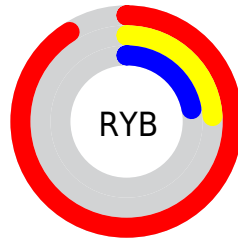
Distribution



Red (91%)

Green (24%)

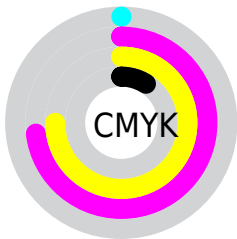
Blue (22%)



Red (91%)

Yellow (24%)

Blue (22%)

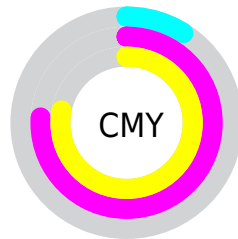


Cyan (0%)

Magenta (73%)

Yellow (75%)

Black (9%)



Cyan (9%)


Magenta (76%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7296, 0.5698, 0.3335 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 20.7296, 0.5698, 0.3335 by changing the saturation by 10% instead.


 20.7296, 0.5698,
0.3335


 20.7296, 0.5698,
0.3335


255.8380, 0.4283,
0.3447


 12.9265, 0.6059,
0.3243

 44.6371, 0.5168,
0.3420

 7.3779, 0.6506,
0.3082


 61.5102, 0.4972,
0.3437

 3.6996, 0.7156,
0.2844

 82.1755, 0.4808,
0.3447

 1.5070, 0.7685,
0.2315

 107.0174, 0.4670,
0.3451

 0.2936, 0.8861,
0.1139

 136.4201, 0.4552,
0.3453

 0.0000, 1.0000,
0.0000


 170.7682, 0.4450,

 0.0000, 0.0000,

0.3452


0.0000

210.4460, 0.4361,
0.3450


 20.7296, 0.5698,
0.3335


 20.7296, 0.5698,
0.3335


 18.5927, 0.6082,
0.3327


 23.9806, 0.5234,
0.3337


 17.4177, 0.6320,
0.3314


 28.4652, 0.4763,
0.3334


 17.1323, 0.6385,
0.3312


 34.2915, 0.4332,
0.3328

 41.5548, 0.3963,
0.3319

 50.3419, 0.3658,
0.3311

 60.7325, 0.3413,
0.3302

 72.8010, 0.3215,
0.3294

 86.6169, 0.3057,
0.3287

 95.7292, 0.2982,
0.3290

Harmonies

Analogous

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



20.7296, 0.4906, 0.2591



20.7296, 0.5698, 0.3335



20.7296, 0.5496, 0.4165

Triad

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



20.7296, 0.5698, 0.3335



20.7296, 0.2367, 0.5487



20.7296, 0.1454, 0.1460

Complementary

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



20.7296, 0.5698, 0.3335



61.0533, 0.2286, 0.3222

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.



20.7296, 0.1106, 0.1683



20.7296, 0.5698, 0.3335



20.7296, 0.1486, 0.3833

Square

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



20.7296, 0.5698, 0.3335



20.7296, 0.3513, 0.5865



20.7296, 0.1097, 0.2394



20.7296, 0.2218, 0.1564

Rectangle

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



20.7296, 0.5698, 0.3335



20.7296, 0.4970, 0.4792



20.7296, 0.1097, 0.2394



20.7296, 0.1298, 0.1494

Sweetspot

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



20.7308, 0.5698, 0.3335



65.6606, 0.3600, 0.3309



25.5266, 0.3233, 0.1704



13.1167, 0.3699, 0.3312



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.



20.7308, 0.5698, 0.3335



22.3681, 0.6226, 0.3321



38.1277, 0.4840, 0.4183



14.4335, 0.3292, 0.3297



9.6348, 0.6379, 0.3317



0.7354, 0.6319, 0.3365

Inverse Universe

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



61.0533, 0.2286, 0.3222



74.8450, 0.2236, 0.3208



25.7264, 0.1965, 0.1970



16.2621, 0.2982, 0.3283



33.2774, 0.2222, 0.3201



2.4815, 0.2226, 0.3214

Previews

White Background



This preview shows how the Yxy color 20.7296, 0.5698, 0.3335 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 20.7296, 0.5698, 0.3335 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 20.7296, 0.5698, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 20.7296, 0.5698, 0.3335.



This preview shows how white text looks on a background with the Yxy color 20.7296, 0.5698, 0.3335.

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

20.7296, 0.5698, 0.3335

Protanopia

20.8608, 0.3843, 0.4158

Deuteranopia

20.7905, 0.4463, 0.4398



Tritanopia

20.6853, 0.5636, 0.3282

Trichromacy



Original Color

20.7296, 0.5698, 0.3335

Protanomaly

18.9133, 0.4583, 0.3774

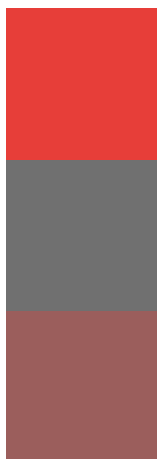
Deuteranomaly

19.3358, 0.5012, 0.3910

Tritanomaly

20.6633, 0.5660, 0.3298

Monochromacy



Original Color

20.7296, 0.5698, 0.3335

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7467, 0.4109, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7296, 0.5698, 0.3335 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(231, 62, 57)` looks like.

```
.text, #text, p{  
    color:rgb(231, 62, 57)  
}
```

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(231, 62, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 62, 57) }
```

Border

The CSS property to change the border of an element to Yxy 20.7296, 0.5698, 0.3335 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(231, 62, 57) }
```

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

```
.border{ border-color:rgb(231, 62, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 62, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 62, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 62, 57);  
box-shadow:4px 4px 4px 4px rgb(231, 62,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7296, 0.5698, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 62, 57) }
```

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

```
.background{ background-color: rgb(231, 62,  
57) }
```

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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