

Converting Colors

$Yxy(20.2796, 0.5749, 0.3291)$

Have a look what the booklet for
Yxy(20.2796, 0.5749, 0.3291)
contains.

Yxy(20.2796, 0.5749, 0.3291)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2796, 0.5749, 0.3291)

Conversions

Conversions Part 1

Format	Color
Hex	E83839
RGB	232, 56, 57
RGB Percent	91%, 22%, 22%
CMY	0.0903, 0.7802, 0.7765
CMYK	0.00, 0.76, 0.75, 0.09
HSL	360°, 79%, 56%
HSV	360°, 76%, 91%
XYZ	35.4261, 20.2796, 5.9157
YIQ	108.7380, 104.5750, 37.6230

Conversions

Conversions Part 2

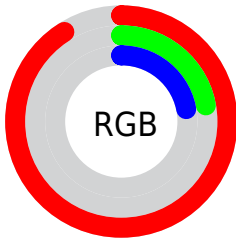
Format	Color
R_{YB}	232, 56, 57
Decimal	15218745
CIE Lab	52.15, 66.07, 41.75
CIE LCh	52, 78.160, 32.290
Yxy	20.2796, 0.5749, 0.3291
Android (android.graphics.Color)	4293408825 (0xFFE83839)
YUV	108.7380, -25.5068, 108.1008
Hunter-Lab	45.0329, 61.6136, 23.7345

Details

The Yxy color **20.2796, 0.5749, 0.3291** 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 **64.3158, 0.2304, 0.3300**, and the grayscale version is **15.2723, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0025, 0.4887, 0.3411**, and **8.3539, 0.6308, 0.3249** is the 20% darker color. If you saturate the color by 10%, you get **18.3468, 0.6122, 0.3294**, and if you desaturate by 10%, it is **23.3603, 0.5285, 0.3289**.

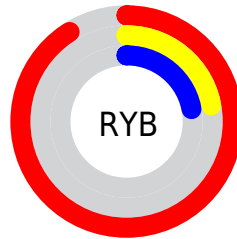
Distribution



Red (91%)

Green (22%)

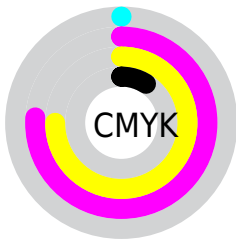
Blue (22%)



Red (91%)

Yellow (22%)

Blue (22%)

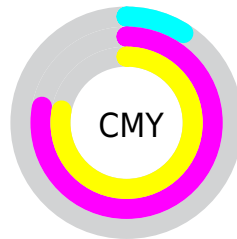


Cyan (0%)

Magenta (76%)

Yellow (75%)

Black (9%)



Cyan (9%)


Magenta (78%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2796, 0.5749, 0.3291 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 20.2796, 0.5749, 0.3291 by changing the saturation by 10% instead.


 20.2796, 0.5749,
0.3291


 20.2796, 0.5749,
0.3291

253.4248, 0.4302,
0.3430


 12.5984, 0.6119,
0.3191


 43.8855, 0.5207,
0.3386


 7.1526, 0.6576,
0.3020


 60.5790, 0.5006,
0.3408


 3.5577, 0.7236,
0.2764

 81.0454, 0.4839,
0.3420

 1.4294, 0.7779,
0.2221

 105.6691, 0.4697,
0.3427

 0.2382, 0.9056,
0.0944

 134.8345, 0.4577,
0.3431

 0.0000, 1.0000,
0.0000

 168.9259, 0.4472,

 0.0000, 0.0000,


0.3432

0.0000


208.3279, 0.4382,
0.3431


 20.2796, 0.5749,
0.3291


 20.2796, 0.5749,
0.3291


 18.3468, 0.6122,
0.3294

 23.3603, 0.5285,
0.3289


 17.3856, 0.6341,
0.3297


 27.7251, 0.4805,
0.3288


 17.1550, 0.6397,
0.3297


 33.4951, 0.4364,
0.3287

 40.7765, 0.3986,
0.3287

 49.6652, 0.3675,
0.3288

 60.2493, 0.3425,
0.3289

 72.6104, 0.3225,
0.3290

 86.8249, 0.3065,
0.3290

 95.8923, 0.2987,
0.3290

Harmonies

Analogous

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



20.2796, 0.4903, 0.2543



20.2796, 0.5749, 0.3291



20.2796, 0.5563, 0.4125

Triad

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



20.2796, 0.5749, 0.3291



20.2796, 0.2381, 0.5607



20.2796, 0.1401, 0.1428

Complementary

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



20.2796, 0.5749, 0.3291



64.3158, 0.2304, 0.3300

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.



20.2796, 0.1065, 0.1665



20.2796, 0.5749, 0.3291



20.2796, 0.1472, 0.3915

Square

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



20.2796, 0.5749, 0.3291



20.2796, 0.3548, 0.5912



20.2796, 0.1066, 0.2408



20.2796, 0.2156, 0.1523

Rectangle

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



20.2796, 0.5749, 0.3291



20.2796, 0.5031, 0.4764



20.2796, 0.1066, 0.2408



20.2796, 0.1249, 0.1465

Sweetspot

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



20.2808, 0.5749, 0.3291



64.9136, 0.3601, 0.3288



25.3240, 0.3172, 0.1663



12.9427, 0.3701, 0.3288



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.



20.2808, 0.5749, 0.3291



21.9375, 0.6267, 0.3296



36.5125, 0.4916, 0.4124



14.3692, 0.3292, 0.3289



9.5263, 0.6395, 0.3296



0.7044, 0.6378, 0.3287

Inverse Universe

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



20.2808, 0.5749, 0.3291



21.9375, 0.6267, 0.3296



27.5183, 0.1981, 0.2048



14.3692, 0.3292, 0.3289



9.5263, 0.6395, 0.3296



0.7044, 0.6378, 0.3287

Previews

White Background



This preview shows how the Yxy color 20.2796, 0.5749, 0.3291 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 20.2796, 0.5749, 0.3291 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 20.2796, 0.5749, 0.3291

Background



This preview shows how black text looks on a background with the Yxy color 20.2796, 0.5749, 0.3291.



This preview shows how white text looks on a background with the Yxy color 20.2796, 0.5749, 0.3291.

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

20.2796, 0.5749, 0.3291

Protanopia

20.4660, 0.3801, 0.4117

Deuteranopia

20.4510, 0.4463, 0.4392



Tritanopia

20.2796, 0.5749, 0.3291

Trichromacy



Original Color

20.2796, 0.5749, 0.3291

Protanomaly

18.2272, 0.4589, 0.3719

Deuteranomaly

18.7778, 0.5050, 0.3870

Tritanomaly

20.2796, 0.5749, 0.3291

Monochromacy



Original Color

20.2796, 0.5749, 0.3291

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

14.9205, 0.4155, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2796, 0.5749, 0.3291 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(232, 56, 57)` looks like.

```
.text, #text, p{  
    color:rgb(232, 56, 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(232, 56, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 56, 57) }
```

Border

The CSS property to change the border of an element to Yxy 20.2796, 0.5749, 0.3291 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(232, 56, 57) }
```

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

```
.border{ border-color:rgb(232, 56, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 56, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 56, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 56, 57);  
box-shadow:4px 4px 4px 4px rgb(232, 56,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2796, 0.5749, 0.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 56, 57) }
```

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

```
.background{ background-color: rgb(232, 56,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor