

Converting Colors

$Y_{xy}(20.3288, 0.5518, 0.3221)$

Have a look what the booklet for
Yxy(20.3288, 0.5518, 0.3221)
contains.

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Color

Yxy(20.2737, 0.5526, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	E43D46
RGB	228, 61, 70
RGB Percent	89%, 24%, 27%
CMY	0.1059, 0.7608, 0.7254
CMYK	0.00, 0.73, 0.69, 0.11
HSL	357°, 76%, 57%
HSV	357°, 73%, 89%
XYZ	34.7711, 20.2737, 7.8779
YIQ	111.9590, 96.6430, 38.2030

Conversions

Conversions Part 2

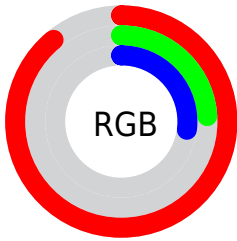
Format	Color
R_{YB}	228, 61, 70
Decimal	14957894
CIE _{Lab}	52.15, 63.87, 34.15
CIE _{LCh}	52, 72.428, 28.135
Yxy	20.2737, 0.5526, 0.3222
Android (android.graphics.Color)	4293147974 (0xFFE43D46)
YUV	111.9590, -20.6858, 101.7680
Hunter-Lab	45.0263, 59.0486, 21.1449

Details

The Yxy color **20.2737, 0.5526, 0.3222** 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 **61.5958, 0.2349, 0.3409**, and the grayscale version is **16.2320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0009, 0.4716, 0.3315**, and **8.0785, 0.6148, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **18.1111, 0.5942, 0.3238**, and if you desaturate by 10%, it is **23.5703, 0.5059, 0.3217**.

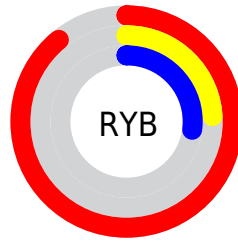
Distribution



Red (89%)

Green (24%)

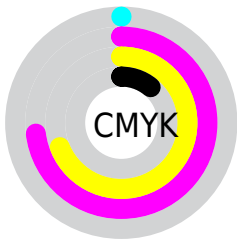
Blue (27%)



Red (89%)

Yellow (24%)

Blue (27%)

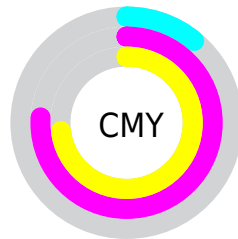


Cyan (0%)

Magenta (73%)

Yellow (69%)

Black (11%)



Cyan (11%)


Magenta (76%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2737, 0.5526, 0.3222 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 20.2737, 0.5526, 0.3222 by changing the saturation by 10% instead.


 20.2737, 0.5526,
0.3222

 20.2737, 0.5526,
0.3222


253.3930, 0.4184,
0.3364


 12.5942, 0.5887,
0.3135


 43.8756, 0.5012,
0.3309


 7.1497, 0.6350,
0.2987


 60.5667, 0.4826,
0.3330


 3.5559, 0.7021,
0.2760

 81.0305, 0.4672,
0.3344

 1.4284, 0.7717,
0.2283

 105.6513, 0.4542,
0.3353

 0.2375, 0.9018,
0.0982

 134.8136, 0.4432,
0.3358

 0.0000, 1.0000,
0.0000


168.9017, 0.4338,

 0.0000, 0.0000,


0.3362


0.0000


208.3000, 0.4255,
0.3364


 20.2737, 0.5526,
0.3222


 20.2737, 0.5526,
0.3222

 18.1111, 0.5942,
0.3238

 23.5703, 0.5059,
0.3217


 16.9265, 0.6239,
0.3262

 28.1233, 0.4605,
0.3221


 16.5222, 0.6357,
0.3275


 34.0432, 0.4200,
0.3231


 41.4277, 0.3860,
0.3244

 50.3652, 0.3581,
0.3258

 60.9374, 0.3357,
0.3273

 73.2200, 0.3177,
0.3286

 87.2843, 0.3034,
0.3298

 95.2349, 0.2964,
0.3290

Harmonies

Analogous

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



20.2737, 0.4606, 0.2502



20.2737, 0.5526, 0.3222



20.2737, 0.5511, 0.4016

Triad

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



20.2737, 0.5526, 0.3222



20.2737, 0.2604, 0.5544



20.2737, 0.1422, 0.1533

Complementary

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



20.2737, 0.5526, 0.3222



61.5958, 0.2349, 0.3409

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.



20.2737, 0.1142, 0.1826



20.2737, 0.5526, 0.3222



20.2737, 0.1673, 0.4113

Square

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



20.2737, 0.5526, 0.3222



20.2737, 0.3728, 0.5683



20.2737, 0.1200, 0.2634



20.2737, 0.2090, 0.1581

Rectangle

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



20.2737, 0.5526, 0.3222



20.2737, 0.5079, 0.4607



20.2737, 0.1200, 0.2634



20.2737, 0.1291, 0.1587

Sweetspot

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



20.2749, 0.5526, 0.3222



66.3218, 0.3554, 0.3260



23.6714, 0.3082, 0.1649



13.4654, 0.3622, 0.3256



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.



20.2749, 0.5526, 0.3222



22.3916, 0.6118, 0.3250



33.7083, 0.4930, 0.4026



14.3805, 0.3284, 0.3278



9.5454, 0.6342, 0.3267



0.7098, 0.6180, 0.3178

Inverse Universe

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



20.2749, 0.5526, 0.3222



22.3916, 0.6118, 0.3250



30.2491, 0.2044, 0.2228



14.3805, 0.3284, 0.3278



9.5454, 0.6342, 0.3267



0.7098, 0.6180, 0.3178

Previews

White Background



This preview shows how the Yxy color 20.2737, 0.5526, 0.3222 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 20.2737, 0.5526, 0.3222 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 20.2737, 0.5526, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 20.2737, 0.5526, 0.3222.



This preview shows how white text looks on a background with the Yxy color 20.2737, 0.5526, 0.3222.

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

20.2737, 0.5526, 0.3222

Protanopia

20.5259, 0.3613, 0.3875

Deuteranopia

20.4006, 0.4288, 0.4213



Tritanopia

20.3094, 0.5597, 0.3281

Trichromacy



Original Color

20.2737, 0.5526, 0.3222

Protanomaly

18.4835, 0.4335, 0.3555

Deuteranomaly

18.9293, 0.4822, 0.3748

Tritanomaly

20.3326, 0.5571, 0.3265

Monochromacy



Original Color

20.2737, 0.5526, 0.3222

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.5618, 0.4020, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2737, 0.5526, 0.3222 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(228, 61, 70)` looks like.

```
.text, #text, p{  
    color:rgb(228, 61, 70)  
}
```

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(228, 61, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 61, 70) }
```

Border

The CSS property to change the border of an element to Yxy 20.2737, 0.5526, 0.3222 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(228, 61, 70) }
```

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

```
.border{ border-color:rgb(228, 61, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 61, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 61, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 61, 70);  
box-shadow:4px 4px 4px 4px rgb(228, 61,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2737, 0.5526, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 61, 70) }
```

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

```
.background{ background-color: rgb(228, 61,  
70) }
```

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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