

Converting Colors

$Y_{xy}(22.9298, 0.5481, 0.3477)$

Have a look what the booklet for
Yxy(22.9298, 0.5481, 0.3477)
contains.

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Color

Yxy(22.8798, 0.5477, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	E5513D
RGB	229, 81, 61
RGB Percent	90%, 32%, 24%
CMY	0.1020, 0.6822, 0.7609
CMYK	0.00, 0.65, 0.73, 0.10
HSL	7°, 76%, 57%
HSV	7°, 73%, 90%
XYZ	36.0924, 22.8798, 6.9259
YIQ	122.9720, 94.6280, 25.1560

Conversions

Conversions Part 2

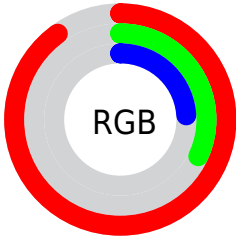
Format	Color
R_{YB}	229, 84, 61
Decimal	15028541
CIE _{Lab}	54.95, 56.26, 42.49
CIE _{LCh}	55, 70.502, 37.060
Yxy	22.8798, 0.5477, 0.3472
Android (android.graphics.Color)	4293218621 (0xFFE5513D)
YUV	122.9720, -30.5522, 92.9866
Hunter-Lab	47.8328, 50.9801, 24.8982

Details

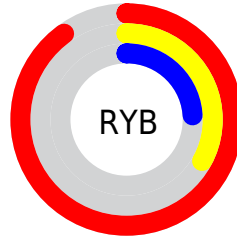
The Yxy color **22.8798, 0.5477, 0.3472** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **52.2108, 0.2243, 0.3015**, and the grayscale version is **19.8804, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2771, 0.4690, 0.3564**, and **8.4860, 0.6207, 0.3294** is the 20% darker color. If you saturate the color by 10%, you get **20.1185, 0.5881, 0.3448**, and if you desaturate by 10%, it is **26.6386, 0.5030, 0.3474**.

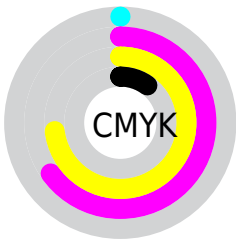
Distribution



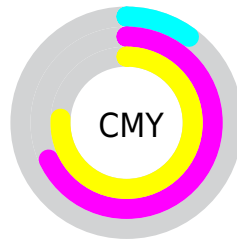
- Red (90%)
- Green (32%)
- Blue (24%)



- Red (90%)
- Yellow (33%)
- Blue (24%)



- Cyan (0%)
- Magenta (65%)
- Yellow (73%)
- Black (10%)





- Cyan (10%)
- Magenta (68%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8798, 0.5477, 0.3472 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 22.8798, 0.5477, 0.3472 by changing the saturation by 10% instead.


 22.8798, 0.5477,
0.3472


 22.8798, 0.5477,
0.3472


267.1070, 0.4196,
0.3494


 14.5048, 0.5804,
0.3411


 48.1959, 0.4999,
0.3517


 8.4726, 0.6210,
0.3296


 65.9057, 0.4821,
0.3522


 4.3988, 0.6837,
0.3137

 87.4960, 0.4673,
0.3522

 1.8991, 0.7320,
0.2680

 113.3510, 0.4548,
0.3518

 0.5478, 0.8138,
0.1862

 143.8553, 0.4440,
0.3513

 0.0000, 1.0000,
0.0000


 179.3931, 0.4348,


 0.0000, 0.0000,


0.3507


0.0000

220.3489, 0.4267,
0.3500


 22.8798, 0.5477,
0.3472


 22.8798, 0.5477,
0.3472


 20.1185, 0.5881,
0.3448

 26.6386, 0.5030,
0.3474


 18.2550, 0.6182,
0.3402


 31.4745, 0.4596,
0.3458


 17.4537, 0.6313,
0.3369


 37.4631, 0.4205,
0.3431

 44.6725, 0.3871,
0.3398

 53.1652, 0.3594,
0.3364

 62.9995, 0.3367,
0.3331

 74.2301, 0.3181,
0.3300

 86.9087, 0.3031,
0.3271

 95.3944, 0.2970,
0.3290

Harmonies

Analogous

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



22.8798, 0.4849, 0.2750



22.8798, 0.5477, 0.3472



22.8798, 0.5252, 0.4268

Triad

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



22.8798, 0.5477, 0.3472



22.8798, 0.2356, 0.5071



22.8798, 0.1650, 0.1597

Complementary

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



22.8798, 0.5477, 0.3472



52.2108, 0.2243, 0.3015

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.



22.8798, 0.1275, 0.1779



22.8798, 0.5477, 0.3472



22.8798, 0.1572, 0.3606

Square

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



22.8798, 0.5477, 0.3472



22.8798, 0.3412, 0.5623



22.8798, 0.1236, 0.2393



22.8798, 0.2424, 0.1726

Rectangle

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



22.8798, 0.5477, 0.3472



22.8798, 0.4761, 0.4836



22.8798, 0.1236, 0.2393



22.8798, 0.1485, 0.1619

Sweetspot

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



22.8811, 0.5477, 0.3472



69.3276, 0.3563, 0.3360



24.6120, 0.3422, 0.1850



14.1579, 0.3632, 0.3369



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.



22.8811, 0.5477, 0.3472



24.3216, 0.6053, 0.3426



43.7497, 0.4621, 0.4345



14.6437, 0.3290, 0.3319



10.0720, 0.6296, 0.3382



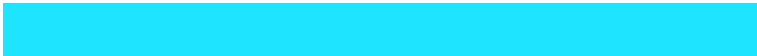
0.8360, 0.6082, 0.3552

Inverse Universe

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



52.2108, 0.2243, 0.3015



63.1089, 0.2170, 0.2951



21.4108, 0.1924, 0.1757



16.0272, 0.2982, 0.3261



27.4133, 0.2142, 0.2910



2.1091, 0.2159, 0.2971

Previews

White Background



This preview shows how the Yxy color 22.8798, 0.5477, 0.3472 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 22.8798, 0.5477, 0.3472 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 22.8798, 0.5477, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 22.8798, 0.5477, 0.3472.



This preview shows how white text looks on a background with the Yxy color 22.8798, 0.5477, 0.3472.

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

22.8798, 0.5477, 0.3472

Protanopia

23.0723, 0.3879, 0.4202

Deuteranopia

22.8077, 0.4431, 0.4345



Tritanopia

22.8963, 0.5239, 0.3249

Trichromacy



Original Color

22.8798, 0.5477, 0.3472

Protanomaly

21.5082, 0.4505, 0.3879

Deuteranomaly

21.9045, 0.4870, 0.3966

Tritanomaly

22.9230, 0.5337, 0.3333

Monochromacy



Original Color

22.8798, 0.5477, 0.3472

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.3266, 0.3994, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8798, 0.5477, 0.3472 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(229, 81, 61)` looks like.

```
.text, #text, p{  
    color:rgb(229, 81, 61)  
}
```

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(229, 81, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 81, 61) }
```

Border

The CSS property to change the border of an element to Yxy 22.8798, 0.5477, 0.3472 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(229, 81, 61) }
```

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

```
.border{ border-color:rgb(229, 81, 61) }
```

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

Here you see how a box with a 4 pixel rgb(229, 81, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 81, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 81, 61);  
box-shadow:4px 4px 4px 4px rgb(229, 81,  
61) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.8798, 0.5477, 0.3472$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 81, 61) }
```

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

```
.background{ background-color: rgb(229, 81,  
61) }
```

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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