

Converting Colors

$Y_{xy}(22.6789, 0.5531, 0.3297)$

Have a look what the booklet for
Yxy(22.6789, 0.5531, 0.3297)
contains.

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Color

Yxy(22.6904, 0.5540, 0.3297)

Conversions

Conversions Part 1

Format	Color
Hex	ED4545
RGB	237, 69, 69
RGB Percent	93%, 27%, 27%
CMY	0.0706, 0.7294, 0.7293
CMYK	0.00, 0.71, 0.71, 0.07
HSL	360°, 82%, 60%
HSV	360°, 71%, 93%
XYZ	38.1270, 22.6904, 8.0039
YIQ	119.2320, 100.1280, 35.6160

Conversions

Conversions Part 2

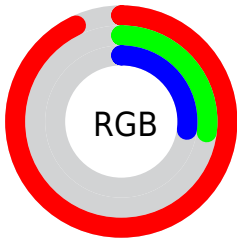
Format	Color
R_{YB}	237, 69, 69
Decimal	15549765
CIE _{Lab}	54.75, 63.79, 38.21
CIE _{LCh}	55, 74.353, 30.920
Yxy	22.6904, 0.5540, 0.3297
Android (android.graphics.Color)	4293739845 (0xFFED4545)
YUV	119.2320, -24.7644, 103.2825
Hunter-Lab	47.6344, 59.5127, 23.3817

Details

The Yxy color **22.6904, 0.5540, 0.3297** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **67.9454, 0.2324, 0.3288**, and the grayscale version is **18.5841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7467, 0.4672, 0.3385**, and **8.9544, 0.6197, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **20.0966, 0.5967, 0.3298**, and if you desaturate by 10%, it is **26.5677, 0.5058, 0.3296**.

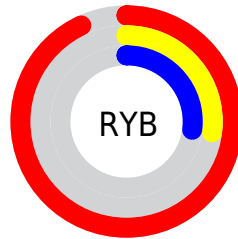
Distribution



Red (93%)

Green (27%)

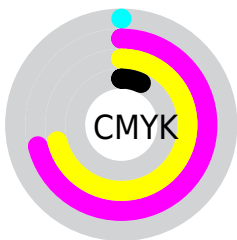
Blue (27%)



Red (93%)

Yellow (27%)

Blue (27%)

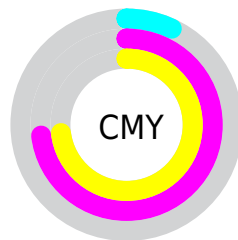


Cyan (0%)

Magenta (71%)

Yellow (71%)

Black (7%)



Cyan (7%)


Magenta (73%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6904, 0.5540, 0.3297 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 22.6904, 0.5540, 0.3297 by changing the saturation by 10% instead.


 22.6904, 0.5540,
0.3297


 22.6904, 0.5540,
0.3297


266.1308, 0.4217,
0.3406


 14.3651, 0.5883,
0.3218


 47.8845, 0.5043,
0.3372


 8.3750, 0.6316,
0.3084


 65.5220, 0.4859,
0.3389


 4.3358, 0.6919,
0.2874

 87.0324, 0.4707,
0.3399

 1.8631, 0.7554,
0.2446

 112.8000, 0.4578,
0.3405

 0.5261, 0.8387,
0.1613

 143.2092, 0.4467,
0.3407

 0.0000, 1.0000,
0.0000


178.6445, 0.4372,

 0.0000, 0.0000,

0.3408

0.0000


219.4903, 0.4289,
0.3408


 22.6904, 0.5540,
0.3297


 22.6904, 0.5540,
0.3297


 20.0966, 0.5967,
0.3298


 26.5677, 0.5058,
0.3296


 18.6195, 0.6263,
0.3299


 31.8608, 0.4590,
0.3294

 18.0038, 0.6401,
0.3300

 38.6899, 0.4176,
0.3293

 47.1613, 0.3829,
0.3292

 57.3720, 0.3547,
0.3291

 69.4114, 0.3321,
0.3291

 83.3627, 0.3141,
0.3290

 96.7438, 0.3017,
0.3290

Harmonies

Analogous

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



22.6904, 0.4706, 0.2573



22.6904, 0.5540, 0.3297



22.6904, 0.5448, 0.4097

Triad

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



22.6904, 0.5540, 0.3297



22.6904, 0.2514, 0.5427



22.6904, 0.1479, 0.1538

Complementary

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



22.6904, 0.5540, 0.3297



67.9454, 0.2324, 0.3288

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.



22.6904, 0.1169, 0.1795



22.6904, 0.5540, 0.3297



22.6904, 0.1623, 0.3949

Square

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



22.6904, 0.5540, 0.3297



22.6904, 0.3626, 0.5700



22.6904, 0.1194, 0.2541



22.6904, 0.2184, 0.1613

Rectangle

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



22.6904, 0.5540, 0.3297



22.6904, 0.4990, 0.4688



22.6904, 0.1194, 0.2541



22.6904, 0.1337, 0.1582

Sweetspot

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



22.6917, 0.5540, 0.3297



67.4818, 0.3552, 0.3291



27.8978, 0.3172, 0.1721



13.6857, 0.3624, 0.3291



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.



22.6917, 0.5540, 0.3297



22.8039, 0.6118, 0.3299



40.3119, 0.4780, 0.4106



15.0541, 0.3293, 0.3290



9.8298, 0.6401, 0.3300



0.7719, 0.6401, 0.3300

Inverse Universe

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



22.6917, 0.5540, 0.3297



22.8039, 0.6118, 0.3299



31.0913, 0.2038, 0.2141



15.0541, 0.3293, 0.3290



9.8298, 0.6401, 0.3300



0.7719, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 22.6904, 0.5540, 0.3297 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 22.6904, 0.5540, 0.3297 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 22.6904, 0.5540, 0.3297

Background



This preview shows how black text looks on a background with the Yxy color 22.6904, 0.5540, 0.3297.



This preview shows how white text looks on a background with the Yxy color 22.6904, 0.5540, 0.3297.

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

22.6904, 0.5540, 0.3297

Protanopia

22.7387, 0.3708, 0.3984

Deuteranopia

22.7695, 0.4357, 0.4272



Tritanopia

22.7286, 0.5503, 0.3272

Trichromacy



Original Color

22.6904, 0.5540, 0.3297

Protanomaly

20.6968, 0.4426, 0.3656

Deuteranomaly

21.4092, 0.4855, 0.3823

Tritanomaly

22.7157, 0.5516, 0.3281

Monochromacy



Original Color

22.6904, 0.5540, 0.3297

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.9283, 0.4023, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6904, 0.5540, 0.3297 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(237, 69, 69)` looks like.

```
.text, #text, p{  
    color:rgb(237, 69, 69)  
}
```

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(237, 69, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 69, 69) }
```

Border

The CSS property to change the border of an element to Yxy 22.6904, 0.5540, 0.3297 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(237, 69, 69) }
```

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

```
.border{ border-color:rgb(237, 69, 69) }
```

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

Here you see how a box with a 4 pixel rgb(237, 69, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 69, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 69, 69);  
box-shadow:4px 4px 4px 4px rgb(237, 69,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6904, 0.5540, 0.3297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 69, 69) }
```

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

```
.background{ background-color: rgb(237, 69,  
69) }
```

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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