

Converting Colors

$Y_{xy}(22.1185, 0.5132, 0.3297)$

Have a look what the booklet for
Yxy(22.1185, 0.5132, 0.3297)
contains.

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Color

Yxy(22.1832, 0.5122, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	DD5353
RGB	221, 83, 83
RGB Percent	87%, 33%, 33%
CMY	0.1333, 0.6745, 0.6745
CMYK	0.00, 0.62, 0.62, 0.13
HSL	0°, 67%, 60%
HSV	0°, 62%, 87%
XYZ	34.4728, 22.1832, 10.6474
YIQ	124.2620, 82.2480, 29.2560

Conversions

Conversions Part 2

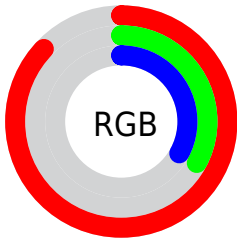
Format	Color
RYB	221, 83, 83
Decimal	14504787
CIELab	54.22, 53.90, 28.93
CIELCh	54, 61.170, 28.224
Yxy	22.1832, 0.5122, 0.3296
Android (android.graphics.Color)	4292694867 (0xFFDD5353)
YUV	124.2620, -20.3422, 84.8392
Hunter-Lab	47.0990, 48.2246, 19.5660

Details

The Yxy color **22.1832, 0.5122, 0.3296** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **58.7625, 0.2376, 0.3288**, and the grayscale version is **20.2980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1304, 0.4438, 0.3345**, and **8.1499, 0.5842, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **19.0359, 0.5599, 0.3297**, and if you desaturate by 10%, it is **26.5189, 0.4651, 0.3295**.

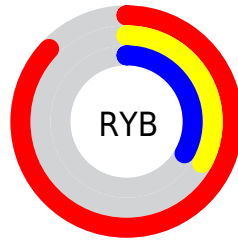
Distribution



Red (87%)

Green (33%)

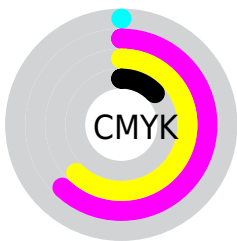
Blue (33%)



Red (87%)

Yellow (33%)

Blue (33%)

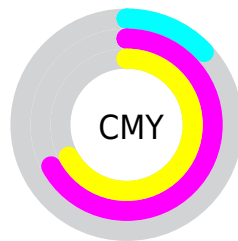


Cyan (0%)

Magenta (62%)

Yellow (62%)

Black (13%)



Cyan (13%)


Magenta (67%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1832, 0.5122, 0.3296 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 22.1832, 0.5122, 0.3296 by changing the saturation by 10% instead.


 22.1832, 0.5122,
0.3296


 22.1832, 0.5122,
0.3296


263.5015, 0.4007,
0.3365

 13.9916, 0.5430,
0.3244


 47.0486, 0.4692,
0.3344


 8.1148, 0.5836,
0.3151


 64.4912, 0.4537,
0.3355


 4.1685, 0.6379,
0.2979

 85.7862, 0.4410,
0.3361

 1.7683, 0.7287,
0.2713

 111.3180, 0.4303,
0.3364

 0.4673, 0.8204,
0.1796

 141.4710, 0.4212,
0.3366

 0.0000, 1.0000,
0.0000


176.6297, 0.4134,


 0.0000, 0.0000,


0.3366


0.0000


217.1784, 0.4066,
0.3365


 22.1832, 0.5122,
0.3296


 22.1832, 0.5122,
0.3296


 19.0359, 0.5599,
0.3297

 26.5189, 0.4651,
0.3295


 16.9559, 0.6011,
0.3299


 32.1411, 0.4230,
0.3293

 15.8036, 0.6287,
0.3299

 39.1420, 0.3874,
0.3292

 15.3723, 0.6401,
0.3300

 47.6043, 0.3585,
0.3291

 57.6043, 0.3352,
0.3291

■ 69.2129, 0.3167,
0.3290

■ 82.4966, 0.3018,
0.3290

■ 94.1118, 0.2923,
0.3289

Harmonies

Analogous

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



22.1832, 0.4354, 0.2638



22.1832, 0.5122, 0.3296



22.1832, 0.5171, 0.4017

Triad

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



22.1832, 0.5122, 0.3296



22.1832, 0.2740, 0.5075



22.1832, 0.1652, 0.1772

Complementary

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



22.1832, 0.5122, 0.3296



58.7625, 0.2376, 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.



22.1832, 0.1396, 0.2058



22.1832, 0.5122, 0.3296



22.1832, 0.1916, 0.3966

Square

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



22.1832, 0.5122, 0.3296



22.1832, 0.3722, 0.5293



22.1832, 0.1467, 0.2779



22.1832, 0.2258, 0.1806

Rectangle

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



22.1832, 0.5122, 0.3296



22.1832, 0.4847, 0.4518



22.1832, 0.1467, 0.2779



22.1832, 0.1531, 0.1827

Sweetspot

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



22.1844, 0.5122, 0.3296



70.1536, 0.3502, 0.3291



26.7779, 0.3194, 0.1861



14.2044, 0.3574, 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.



22.1844, 0.5122, 0.3296



25.2684, 0.5740, 0.3298



38.4516, 0.4513, 0.4073



13.0518, 0.3292, 0.3291



8.9303, 0.6401, 0.3300



0.5786, 0.6400, 0.3300

Inverse Universe

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



58.7625, 0.2376, 0.3288



79.8078, 0.2303, 0.3287



29.5145, 0.2142, 0.2270



14.8293, 0.2982, 0.3290



33.0658, 0.2246, 0.3287



2.1422, 0.2246, 0.3287

Previews

White Background



This preview shows how the Yxy color 22.1832, 0.5122, 0.3296 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 22.1832, 0.5122, 0.3296 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 22.1832, 0.5122, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 22.1832, 0.5122, 0.3296.



This preview shows how white text looks on a background with the Yxy color 22.1832, 0.5122, 0.3296.

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

22.1832, 0.5122, 0.3296

Protanopia

22.4135, 0.3550, 0.3784

Deuteranopia

22.2062, 0.4130, 0.4056



Tritanopia

22.0949, 0.5074, 0.3244

Trichromacy



Original Color

22.1832, 0.5122, 0.3296

Protanomaly

21.0715, 0.4123, 0.3570

Deuteranomaly

21.3255, 0.4518, 0.3715

Tritanomaly

22.0786, 0.5088, 0.3254

Monochromacy



Original Color

22.1832, 0.5122, 0.3296

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.4123, 0.3820, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1832, 0.5122, 0.3296 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(221, 83, 83)` looks like.

```
.text, #text, p{  
    color:rgb(221, 83, 83)  
}
```

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(221, 83, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 83, 83) }
```

Border

The CSS property to change the border of an element to Yxy 22.1832, 0.5122, 0.3296 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(221, 83, 83) }
```

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

```
.border{ border-color:rgb(221, 83, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 83, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 83, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 83, 83);  
box-shadow:4px 4px 4px 4px rgb(221, 83,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1832, 0.5122, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 83, 83) }
```

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

```
.background{ background-color: rgb(221, 83,  
83) }
```

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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