

Converting Colors

$Y_{xy}(22.7446, 0.5301, 0.3296)$

Have a look what the booklet for
Yxy(22.7446, 0.5301, 0.3296)
contains.

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Color

Yxy(22.8218, 0.5306, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	E64E4E
RGB	230, 78, 78
RGB Percent	90%, 31%, 31%
CMY	0.0979, 0.6942, 0.6940
CMYK	0.00, 0.66, 0.66, 0.10
HSL	360°, 75%, 60%
HSV	360°, 66%, 90%
XYZ	36.7392, 22.8218, 9.6799
YIQ	123.4480, 90.5920, 32.2240

Conversions

Conversions Part 2

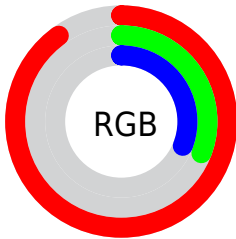
Format	Color
R_{YB}	230, 78, 78
Decimal	15093326
CIE _{Lab}	54.89, 58.67, 32.96
CIE _{LCh}	55, 67.294, 29.326
Yxy	22.8218, 0.5306, 0.3296
Android (android.graphics.Color)	4293283406 (0xFFE64E4E)
YUV	123.4480, -22.4059, 93.4461
Hunter-Lab	47.7722, 53.6743, 21.4268

Details

The Yxy color **22.8218, 0.5306, 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 **63.9384, 0.2352, 0.3288**, and the grayscale version is **20.0146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.8425, 0.4527, 0.3366**, and **8.3904, 0.6053, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **19.8332, 0.5769, 0.3297**, and if you desaturate by 10%, it is **27.0706, 0.4825, 0.3295**.

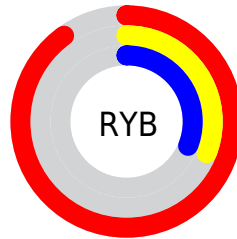
Distribution



Red (90%)

Green (31%)

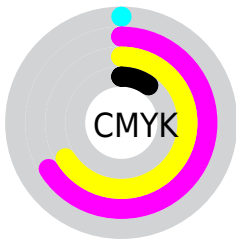
Blue (31%)



Red (90%)

Yellow (31%)

Blue (31%)

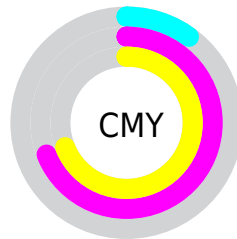


Cyan (0%)

Magenta (66%)

Yellow (66%)

Black (10%)



Cyan (10%)


Magenta (69%)

Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8218, 0.5306, 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 22.8218, 0.5306, 0.3296 by changing the saturation by 10% instead.

 22.8218, 0.5306,
0.3296


 22.8218, 0.5306,
0.3296


266.8084, 0.4100,
0.3381


 14.4620, 0.5630,
0.3234


 48.1006, 0.4846,
0.3355


 8.4427, 0.6047,
0.3125

 65.7883, 0.4679,
0.3368

 4.3795, 0.6601,
0.2933

 87.3541, 0.4541,
0.3376

 1.8880, 0.7397,
0.2603

 113.1824, 0.4424,
0.3380

 0.5412, 0.8221,
0.1779

 143.6576, 0.4325,
0.3382

 0.0000, 1.0000,
0.0000

179.1641, 0.4240,

 0.0000, 0.0000,

0.3382

0.0000

220.0862, 0.4165,
0.3382

■ 22.8218, 0.5306,
0.3296

■ 22.8218, 0.5306,
0.3296

■ 19.8332, 0.5769,
0.3297

■ 27.0706, 0.4825,
0.3295

■ 17.9631, 0.6137,
0.3299

■ 32.6937, 0.4381,
0.3293


■ 17.0416, 0.6348,
0.3299


■ 39.7969, 0.3999,
0.3292


■ 16.8272, 0.6401,
0.3300

■ 48.4745, 0.3685,
0.3291

■ 58.8132, 0.3432,
0.3291

 70.8930, 0.3230,
0.3290

 84.7891, 0.3069,
0.3290

 95.5671, 0.2976,
0.3290

Harmonies

Analogous

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



22.8218, 0.4501, 0.2606



22.8218, 0.5306, 0.3296



22.8218, 0.5303, 0.4053

Triad

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



22.8218, 0.5306, 0.3296



22.8218, 0.2649, 0.5233



22.8218, 0.1571, 0.1666

Complementary

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



22.8218, 0.5306, 0.3296



63.9384, 0.2352, 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.



22.8218, 0.1291, 0.1942



22.8218, 0.5306, 0.3296



22.8218, 0.1789, 0.3971

Square

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



22.8218, 0.5306, 0.3296



22.8218, 0.3692, 0.5471



22.8218, 0.1344, 0.2681



22.8218, 0.2220, 0.1718

Rectangle

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



22.8218, 0.5306, 0.3296



22.8218, 0.4923, 0.4594



22.8218, 0.1344, 0.2681



22.8218, 0.1440, 0.1717

Sweetspot

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



22.8231, 0.5306, 0.3296



68.8060, 0.3527, 0.3291



27.5710, 0.3171, 0.1790



13.9428, 0.3599, 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.



22.8231, 0.5306, 0.3296



24.1193, 0.5906, 0.3298



39.6608, 0.4641, 0.4076



14.3681, 0.3293, 0.3290



9.5243, 0.6400, 0.3300



0.7038, 0.6400, 0.3299

Inverse Universe

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



22.8231, 0.5306, 0.3296



24.1193, 0.5906, 0.3298



31.2904, 0.2099, 0.2234



14.3681, 0.3293, 0.3290



9.5243, 0.6400, 0.3300



0.7038, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 22.8218, 0.5306, 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 22.8218, 0.5306, 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 22.8218, 0.5306, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 22.8218, 0.5306, 0.3296.



This preview shows how white text looks on a background with the Yxy color 22.8218, 0.5306, 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

22.8218, 0.5306, 0.3296

Protanopia

23.0661, 0.3601, 0.3865

Deuteranopia

23.0453, 0.4227, 0.4151



Tritanopia

22.7399, 0.5260, 0.3249

Trichromacy



Original Color

22.8218, 0.5306, 0.3296

Protanomaly

21.2279, 0.4236, 0.3609

Deuteranomaly

21.9831, 0.4662, 0.3773

Tritanomaly

22.7248, 0.5274, 0.3259

Monochromacy



Original Color

22.8218, 0.5306, 0.3296

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.2583, 0.3900, 0.3292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8218, 0.5306, 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(230, 78, 78)` looks like.

```
.text, #text, p{  
    color:rgb(230, 78, 78)  
}
```

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(230, 78, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 78, 78) }
```

Border

The CSS property to change the border of an element to Yxy 22.8218, 0.5306, 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(230, 78, 78) }
```

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

```
.border{ border-color:rgb(230, 78, 78) }
```

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

Here you see how a box with a 4 pixel rgb(230, 78, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 78, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 78, 78);  
box-shadow:4px 4px 4px 4px rgb(230, 78,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8218, 0.5306, 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(230, 78, 78) }
```

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

```
.background{ background-color: rgb(230, 78,  
78) }
```

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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