

Converting Colors

$Y_{xy}(22.6083, 0.5191, 0.3223)$

Have a look what the booklet for
Yxy(22.6083, 0.5191, 0.3223)
contains.

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Color

Yxy(22.5986, 0.5194, 0.3228)

Conversions

Conversions Part 1

Format	Color
Hex	E44E55
RGB	228, 78, 85
RGB Percent	89%, 31%, 33%
CMY	0.1059, 0.6941, 0.6665
CMYK	0.00, 0.66, 0.63, 0.11
HSL	357°, 74%, 60%
HSV	357°, 66%, 89%
XYZ	36.3622, 22.5986, 11.0473
YIQ	123.6480, 87.1530, 33.9770

Conversions

Conversions Part 2

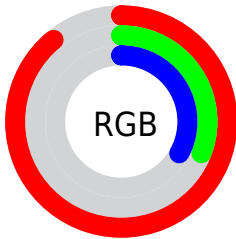
Format	Color
R_{YB}	228, 78, 85
Decimal	14962261
CIE _{Lab}	54.66, 58.42, 28.54
CIE _{LCh}	55, 65.018, 26.037
Yxy	22.5986, 0.5194, 0.3228
Android (android.graphics.Color)	4293152341 (0xFFE44E55)
YUV	123.6480, -19.0535, 91.5167
Hunter-Lab	47.5380, 53.3446, 19.4983

Details

The Yxy color **22.5986, 0.5194, 0.3228** 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 **62.3295, 0.2383, 0.3381**, and the grayscale version is **20.0764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0595, 0.4438, 0.3284**, and **8.3470, 0.5924, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **19.6085, 0.5655, 0.3235**, and if you desaturate by 10%, it is **26.8198, 0.4729, 0.3230**.

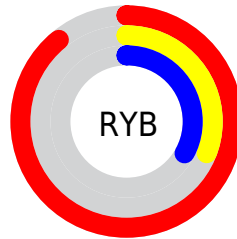
Distribution



Red (89%)

Green (31%)

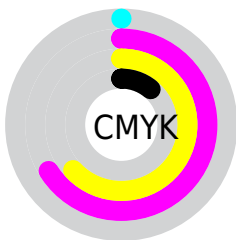
Blue (33%)



Red (89%)

Yellow (31%)

Blue (33%)

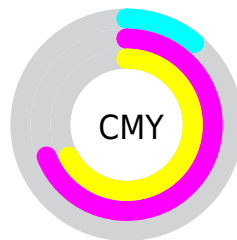


Cyan (0%)

Magenta (66%)

Yellow (63%)

Black (11%)



Cyan (11%)


Magenta (69%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.5986, 0.5194, 0.3228 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 22.5986, 0.5194, 0.3228 by changing the saturation by 10% instead.


 22.5986, 0.5194,
0.3228


 22.5986, 0.5194,
0.3228


265.6566, 0.4043,
0.3336


 14.2974, 0.5510,
0.3165


 47.7334, 0.4752,
0.3291

 8.3278, 0.5923,
0.3060


 65.3358, 0.4592,
0.3307


 4.3054, 0.6474,
0.2874

 86.8073, 0.4460,
0.3318

 1.8458, 0.7403,
0.2597

 112.5324, 0.4350,
0.3325

 0.5155, 0.8255,
0.1745

 142.8955, 0.4255,
0.3330

 0.0000, 1.0000,
0.0000

178.2810, 0.4175,

 0.0000, 0.0000,

0.3333

0.0000

219.0732, 0.4104,
0.3335

■ 22.5986, 0.5194,
0.3228

■ 22.5986, 0.5194,
0.3228

■ 19.6085, 0.5655,
0.3235

■ 26.8198, 0.4729,
0.3230

■ 17.7138, 0.6045,
0.3251

■ 32.3815, 0.4307,
0.3237


■ 16.7535, 0.6298,
0.3274


■ 39.3853, 0.3946,
0.3248


■ 16.5188, 0.6363,
0.3279

■ 47.9222, 0.3650,
0.3260

■ 58.0754, 0.3411,
0.3272

 69.9224, 0.3220,
0.3284

 83.5356, 0.3067,
0.3294

 95.2353, 0.2964,
0.3290

Harmonies

Analogous

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



22.5986, 0.4338, 0.2557



22.5986, 0.5194, 0.3228



22.5986, 0.5286, 0.3966

Triad

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



22.5986, 0.5194, 0.3228



22.5986, 0.2779, 0.5246



22.5986, 0.1560, 0.1716

Complementary

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



22.5986, 0.5194, 0.3228



62.3295, 0.2383, 0.3381

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.



22.5986, 0.1320, 0.2033



22.5986, 0.5194, 0.3228



22.5986, 0.1902, 0.4105

Square

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



22.5986, 0.5194, 0.3228



22.5986, 0.3802, 0.5373



22.5986, 0.1414, 0.2818



22.5986, 0.2155, 0.1733

Rectangle

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



22.5986, 0.5194, 0.3228



22.5986, 0.4962, 0.4490



22.5986, 0.1414, 0.2818



22.5986, 0.1443, 0.1780

Sweetspot

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



22.5999, 0.5194, 0.3228



68.9211, 0.3508, 0.3267



26.3450, 0.3118, 0.1771



13.9696, 0.3577, 0.3263



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.



22.5999, 0.5194, 0.3228



24.2156, 0.5812, 0.3240



37.4496, 0.4677, 0.4020



14.3789, 0.3285, 0.3279



9.5426, 0.6349, 0.3271



0.7091, 0.6208, 0.3193

Inverse Universe

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



22.5999, 0.5194, 0.3228



24.2156, 0.5812, 0.3240



32.5376, 0.2122, 0.2317



14.3789, 0.3285, 0.3279



9.5426, 0.6349, 0.3271



0.7091, 0.6208, 0.3193

Previews

White Background



This preview shows how the Yxy color 22.5986, 0.5194, 0.3228 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 22.5986, 0.5194, 0.3228 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 22.5986, 0.5194, 0.3228

Background



This preview shows how black text looks on a background with the Yxy color 22.5986, 0.5194, 0.3228.



This preview shows how white text looks on a background with the Yxy color 22.5986, 0.5194, 0.3228.

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

22.5986, 0.5194, 0.3228

Protanopia

22.7831, 0.3489, 0.3712

Deuteranopia

22.5740, 0.4123, 0.4052



Tritanopia

22.5673, 0.5222, 0.3248

Trichromacy



Original Color

22.5986, 0.5194, 0.3228

Protanomaly

21.1471, 0.4102, 0.3492

Deuteranomaly

21.4947, 0.4550, 0.3680

Tritanomaly

22.5829, 0.5208, 0.3238

Monochromacy



Original Color

22.5986, 0.5194, 0.3228

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.3226, 0.3857, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5986, 0.5194, 0.3228 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, 78, 85)` looks like.

```
.text, #text, p{  
  color:rgb(228, 78, 85)  
}
```

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, 78, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 78, 85) }
```

Border

The CSS property to change the border of an element to Yxy 22.5986, 0.5194, 0.3228 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, 78, 85) }
```

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

```
.border{ border-color:rgb(228, 78, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 78, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 78, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 78, 85);  
box-shadow:4px 4px 4px 4px rgb(228, 78,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5986, 0.5194, 0.3228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 78, 85) }
```

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

```
.background{ background-color: rgb(228, 78,  
85) }
```

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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