

Converting Colors

$Y_{xy}(21.2204, 0.5627, 0.3416)$

Have a look what the booklet for
Yxy(21.2204, 0.5627, 0.3416)
contains.

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Color

Yxy(21.1598, 0.5625, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	E44638
RGB	228, 70, 56
RGB Percent	89%, 27%, 22%
CMY	0.1058, 0.7256, 0.7803
CMYK	0.00, 0.69, 0.75, 0.11
HSL	5°, 76%, 56%
HSV	5°, 75%, 89%
XYZ	34.9044, 21.1598, 5.9880
YIQ	115.6460, 98.6620, 29.1420

Conversions

Conversions Part 2

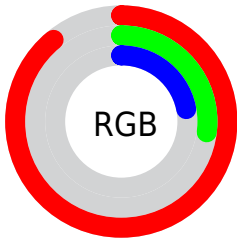
Format	Color
R_{YB}	228, 71, 56
Decimal	14960184
CIE _{Lab}	53.12, 60.11, 43.12
CIE _{LCh}	53, 73.976, 35.656
Yxy	21.1598, 0.5625, 0.3410
Android (android.graphics.Color)	4293150264 (0xFFE44638)
YUV	115.6460, -29.4055, 98.5345
Hunter-Lab	45.9998, 54.9451, 24.4818

Details

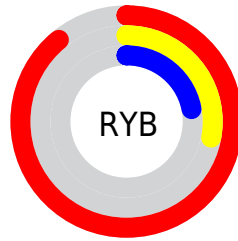
The Yxy color **21.1598, 0.5625, 0.3410** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **54.5662, 0.2254, 0.3098**, and the grayscale version is **17.4186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4382, 0.4825, 0.3519**, and **7.9167, 0.6320, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **18.8076, 0.6013, 0.3388**, and if you desaturate by 10%, it is **24.5298, 0.5172, 0.3416**.

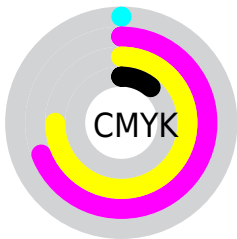
Distribution



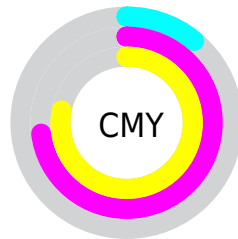
- Red (89%)
- Green (27%)
- Blue (22%)



- Red (89%)
- Yellow (28%)
- Blue (22%)



- Cyan (0%)
- Magenta (69%)
- Yellow (75%)
- Black (11%)





- Cyan (11%)
- Magenta (73%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1598, 0.5625, 0.3410 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 21.1598, 0.5625, 0.3410 by changing the saturation by 10% instead.


 21.1598, 0.5625,
0.3410


 21.1598, 0.5625,
0.3410


258.1265, 0.4254,
0.3479


 13.2409, 0.5974,
0.3330


 45.3533, 0.5113,
0.3478

 7.5946, 0.6405,
0.3185


 62.3967, 0.4923,
0.3489

 3.8367, 0.7034,
0.2966

 83.2504, 0.4764,
0.3494

 1.5826, 0.7545,
0.2455

 108.2987, 0.4629,
0.3494

 0.3458, 0.8643,
0.1357

 137.9261, 0.4515,
0.3492

 0.0000, 1.0000,
0.0000

 172.5169, 0.4416,

 0.0000, 0.0000,

0.3488

0.0000

212.4556, 0.4330,
0.3484

■ 21.1598, 0.5625,
0.3410

■ 21.1598, 0.5625,
0.3410

■ 18.8076, 0.6013,
0.3388

■ 24.5298, 0.5172,
0.3416

■ 17.3545, 0.6273,
0.3352


■ 29.0117, 0.4718,
0.3408

■ 16.9468, 0.6351,
0.3340


■ 34.6930, 0.4304,
0.3391

■ 41.6513, 0.3948,
0.3369

■ 49.9579, 0.3653,
0.3346

 59.6788, 0.3412,
0.3323

 70.8754, 0.3217,
0.3301

 83.6059, 0.3059,
0.3281

 95.2375, 0.2964,
0.3290

Harmonies

Analogous

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



21.1598, 0.4923, 0.2671



21.1598, 0.5625, 0.3410



21.1598, 0.5389, 0.4233

Triad

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



21.1598, 0.5625, 0.3410



21.1598, 0.2331, 0.5294



21.1598, 0.1541, 0.1508

Complementary

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



21.1598, 0.5625, 0.3410



54.5662, 0.2254, 0.3098

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.



21.1598, 0.1172, 0.1705



21.1598, 0.5625, 0.3410



21.1598, 0.1499, 0.3694

Square

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



21.1598, 0.5625, 0.3410



21.1598, 0.3443, 0.5790



21.1598, 0.1142, 0.2362



21.1598, 0.2325, 0.1631

Rectangle

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



21.1598, 0.5625, 0.3410



21.1598, 0.4866, 0.4842



21.1598, 0.1142, 0.2362



21.1598, 0.1378, 0.1534

Sweetspot

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



21.1610, 0.5625, 0.3410



67.0867, 0.3593, 0.3341



24.3140, 0.3329, 0.1764



13.4499, 0.3689, 0.3349



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.



21.1610, 0.5625, 0.3410



22.9626, 0.6191, 0.3367



39.7251, 0.4752, 0.4272



14.5550, 0.3291, 0.3310



9.8517, 0.6338, 0.3350



0.7937, 0.6178, 0.3477

Inverse Universe

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



54.5662, 0.2254, 0.3098



67.4857, 0.2192, 0.3054



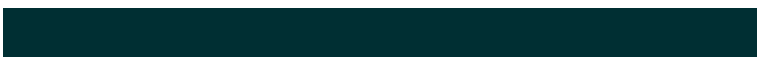
22.5564, 0.1930, 0.1837



16.1256, 0.2982, 0.3270



29.7886, 0.2176, 0.3035



2.2608, 0.2188, 0.3075

Previews

White Background



This preview shows how the Yxy color 21.1598, 0.5625, 0.3410 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 21.1598, 0.5625, 0.3410 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 21.1598, 0.5625, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 21.1598, 0.5625, 0.3410.



This preview shows how white text looks on a background with the Yxy color 21.1598, 0.5625, 0.3410.

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

21.1598, 0.5625, 0.3410

Protanopia

21.2486, 0.3894, 0.4213

Deuteranopia

21.2351, 0.4475, 0.4398



Tritanopia

21.2472, 0.5468, 0.3271

Trichromacy



Original Color

21.1598, 0.5625, 0.3410

Protanomaly

19.4840, 0.4589, 0.3857

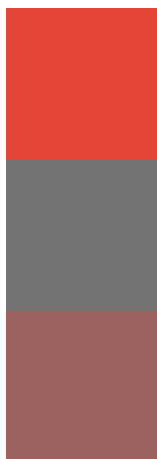
Deuteranomaly

19.9148, 0.4973, 0.3950

Tritanomaly

21.3076, 0.5524, 0.3322

Monochromacy



Original Color

21.1598, 0.5625, 0.3410

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.8999, 0.4072, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1598, 0.5625, 0.3410 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, 70, 56)` looks like.

```
.text, #text, p{  
    color:rgb(228, 70, 56)  
}
```

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, 70, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 70, 56) }
```

Border

The CSS property to change the border of an element to Yxy 21.1598, 0.5625, 0.3410 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, 70, 56) }
```

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

```
.border{ border-color:rgb(228, 70, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 70, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 70, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 70, 56);  
box-shadow:4px 4px 4px 4px rgb(228, 70,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1598, 0.5625, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 70, 56) }
```

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

```
.background{ background-color: rgb(228, 70,  
56) }
```

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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