

Converting Colors

$Yxy(20.5196, 0.5775, 0.3473)$

Have a look what the booklet for
Yxy(20.5196, 0.5775, 0.3473)
contains.

Yxy(20.5196, 0.5775, 0.3473)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.5196, 0.5775, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	E3432B
RGB	227, 67, 43
RGB Percent	89%, 26%, 17%
CMY	0.1098, 0.7372, 0.8316
CMYK	0.00, 0.70, 0.81, 0.11
HSL	8°, 77%, 53%
HSV	8°, 81%, 89%
XYZ	34.1206, 20.5196, 4.4431
YIQ	112.1040, 103.0640, 26.4560

Conversions

Conversions Part 2

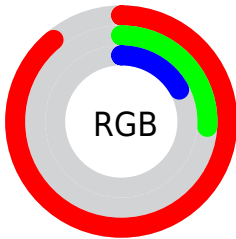
Format	Color
R_{YB}	227, 71, 43
Decimal	14893867
CIE _{Lab}	52.42, 60.44, 49.11
CIE _{LCh}	52, 77.879, 39.094
Yxy	20.5196, 0.5775, 0.3473
Android (android.graphics.Color)	4293083947 (0xFFE3432B)
YUV	112.1040, -34.0683, 100.7638
Hunter-Lab	45.2986, 55.1803, 25.8936

Details

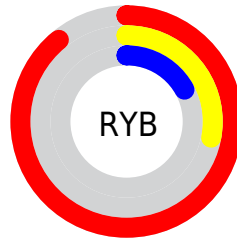
The Yxy color **20.5196, 0.5775, 0.3473** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **48.7382, 0.2192, 0.2952**, and the grayscale version is **16.3154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4306, 0.4982, 0.3605**, and **7.7865, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.4378, 0.6106, 0.3429**, and if you desaturate by 10%, it is **23.4954, 0.5357, 0.3493**.

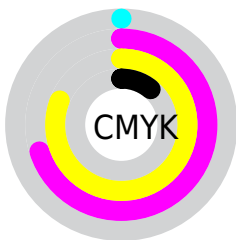
Distribution



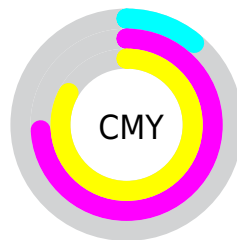
- Red (89%)
- Green (26%)
- Blue (17%)



- Red (89%)
- Yellow (28%)
- Blue (17%)



- Cyan (0%)
- Magenta (70%)
- Yellow (81%)
- Black (11%)





- Cyan (11%)
- Magenta (74%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.5196, 0.5775, 0.3473 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 20.5196, 0.5775, 0.3473 by changing the saturation by 10% instead.


 20.5196, 0.5775,
0.3473


 20.5196, 0.5775,
0.3473


254.7143, 0.4337,
0.3538


 12.7733, 0.6125,
0.3380


 44.2866, 0.5247,
0.3549


 7.2726, 0.6568,
0.3222


 61.0762, 0.5048,
0.3561


 3.6332, 0.7074,
0.2926


 81.6489, 0.4880,
0.3565

 1.4706, 0.7599,
0.2401

 106.3892, 0.4738,
0.3563

 0.2679, 0.8859,
0.1141

 135.6815, 0.4616,
0.3558

 0.0000, 1.0000,
0.0000

 169.9102, 0.4510,

 0.0000, 0.0000,

0.3552

0.0000

209.4597, 0.4418,
0.3545

■ 20.5196, 0.5775,
0.3473

■ 20.5196, 0.5775,
0.3473

■ 18.4378, 0.6106,
0.3429

■ 23.4954, 0.5357,
0.3493


■ 17.2430, 0.6299,
0.3380


■ 27.4481, 0.4914,
0.3489


■ 32.4551, 0.4491,
0.3468

■ 38.5849, 0.4117,
0.3436

■ 45.9003, 0.3799,
0.3400

 54.4593, 0.3536,
0.3363

 64.3162, 0.3320,
0.3327

 75.5219, 0.3144,
0.3293

 88.1248, 0.3000,
0.3263

Harmonies

Analogous

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



20.5196, 0.5166, 0.2712



20.5196, 0.5775, 0.3473



20.5196, 0.5399, 0.4335

Triad

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



20.5196, 0.5775, 0.3473



20.5196, 0.2147, 0.5284



20.5196, 0.1539, 0.1432

Complementary

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



20.5196, 0.5775, 0.3473



48.7382, 0.2192, 0.2952

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.



20.5196, 0.1120, 0.1585



20.5196, 0.5775, 0.3473



20.5196, 0.1347, 0.3508

Square

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



20.5196, 0.5775, 0.3473



20.5196, 0.3282, 0.5965



20.5196, 0.1045, 0.2188



20.5196, 0.2404, 0.1594

Rectangle

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



20.5196, 0.5775, 0.3473



20.5196, 0.4800, 0.4987



20.5196, 0.1045, 0.2188



20.5196, 0.1356, 0.1445

Sweetspot

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



20.5208, 0.5775, 0.3473



67.2944, 0.3612, 0.3374



22.4879, 0.3455, 0.1781



13.5471, 0.3706, 0.3388



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.



20.5208, 0.5775, 0.3473



22.7939, 0.6252, 0.3390



40.4315, 0.4777, 0.4382



14.6702, 0.3289, 0.3321



10.1506, 0.6282, 0.3394



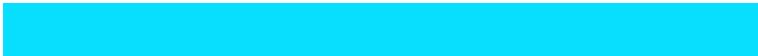
0.8486, 0.6055, 0.3574

Inverse Universe

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



48.7382, 0.2192, 0.2952



59.8617, 0.2135, 0.2876



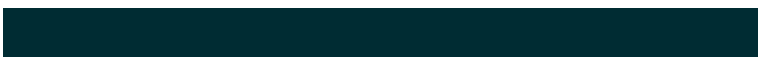
17.9811, 0.1829, 0.1579



15.9979, 0.2982, 0.3258



26.7304, 0.2131, 0.2872



2.0652, 0.2150, 0.2939

Previews

White Background



This preview shows how the Yxy color 20.5196, 0.5775, 0.3473 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 20.5196, 0.5775, 0.3473 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 20.5196, 0.5775, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 20.5196, 0.5775, 0.3473.



This preview shows how white text looks on a background with the Yxy color 20.5196, 0.5775, 0.3473.

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

20.5196, 0.5775, 0.3473

Protanopia

20.7264, 0.4041, 0.4432

Deuteranopia

20.5466, 0.4603, 0.4524



Tritanopia

20.5660, 0.5544, 0.3272

Trichromacy



Original Color

20.5196, 0.5775, 0.3473

Protanomaly

19.0181, 0.4748, 0.4016

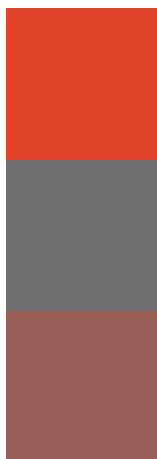
Deuteranomaly

19.2914, 0.5125, 0.4059

Tritanomaly

20.5801, 0.5645, 0.3353

Monochromacy



Original Color

20.5196, 0.5775, 0.3473

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.9239, 0.4160, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5196, 0.5775, 0.3473 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(227, 67, 43)` looks like.

```
.text, #text, p{  
    color:rgb(227, 67, 43)  
}
```

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(227, 67, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 67, 43) }
```

Border

The CSS property to change the border of an element to Yxy 20.5196, 0.5775, 0.3473 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(227, 67, 43) }
```

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

```
.border{ border-color:rgb(227, 67, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 67, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 67, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 67, 43);  
box-shadow:4px 4px 4px 4px rgb(227, 67,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5196, 0.5775, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 67, 43) }
```

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

```
.background{ background-color: rgb(227, 67,  
43) }
```

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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