

Converting Colors

$Y_{xy}(20.8264, 0.5888, 0.3518)$

Have a look what the booklet for
Yxy(20.8264, 0.5888, 0.3518)
contains.

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Color

Yxy(20.8237, 0.5884, 0.3517)

Conversions

Conversions Part 1

Format	Color
Hex	E64220
RGB	230, 66, 32
RGB Percent	90%, 26%, 13%
CMY	0.0981, 0.7410, 0.8747
CMYK	0.00, 0.71, 0.86, 0.10
HSL	10°, 80%, 51%
HSV	10°, 86%, 90%
XYZ	34.8384, 20.8237, 3.5466
YIQ	111.1600, 108.6580, 24.1940

Conversions

Conversions Part 2

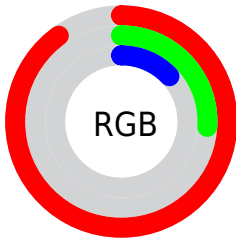
Format	Color
R_{YB}	230, 73, 32
Decimal	15090208
CIE _{Lab}	52.76, 61.47, 54.67
CIE _{LCh}	53, 82.264, 41.651
Yxy	20.8237, 0.5884, 0.3517
Android (android.graphics.Color)	4293280288 (0xFFE64220)
YUV	111.1600, -39.0259, 104.2227
Hunter-Lab	45.6330, 56.4177, 27.3351

Details

The Yxy color **20.8237, 0.5884, 0.3517** 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 **45.4586, 0.2137, 0.2809**, and the grayscale version is **16.0400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2694, 0.5077, 0.3688**, and **8.1070, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.8726, 0.6161, 0.3451**, and if you desaturate by 10%, it is **23.6047, 0.5507, 0.3554**.

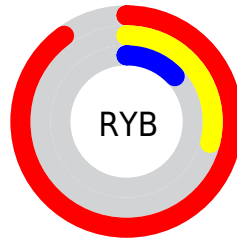
Distribution



Red (90%)

Green (26%)

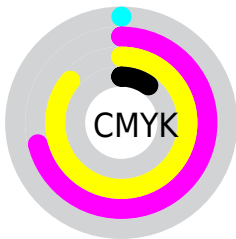
Blue (13%)



Red (90%)

Yellow (29%)

Blue (13%)

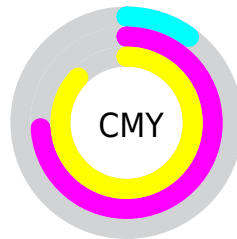


Cyan (0%)

Magenta (71%)

Yellow (86%)

Black (10%)



Cyan (10%)


Magenta (74%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8237, 0.5884, 0.3517 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 20.8237, 0.5884, 0.3517 by changing the saturation by 10% instead.


 20.8237, 0.5884,
0.3517


 20.8237, 0.5884,
0.3517


256.3401, 0.4412,
0.3586


 12.9952, 0.6225,
0.3413


 44.7939, 0.5355,
0.3603

 7.4252, 0.6686,
0.3258


 61.7045, 0.5152,
0.3616

 3.7294, 0.7087,
0.2913

 82.4111, 0.4979,
0.3620

 1.5234, 0.7609,
0.2391

 107.2983, 0.4832,
0.3617

 0.3051, 0.8778,
0.1222

 136.7504, 0.4704,
0.3612

 0.0000, 1.0000,
0.0000

 171.1518, 0.4594,

 0.0000, 0.0000,

0.3604

0.0000

210.8869, 0.4497,
0.3595

20.8237, 0.5884,
0.3517

20.8237, 0.5884,
0.3517

18.8726, 0.6161,
0.3451

23.6047, 0.5507,
0.3554

18.3097, 0.6243,
0.3425

27.2939, 0.5082,
0.3560

31.9641, 0.4660,
0.3540

37.6795, 0.4274,
0.3503

44.4990, 0.3938,
0.3458

■ 52.4767, 0.3655,
0.3410

■ 61.6634, 0.3421,
0.3362

■ 72.1067, 0.3228,
0.3316

■ 83.8518, 0.3069,
0.3274

Harmonies

Analogous

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



20.8237, 0.5361, 0.2741



20.8237, 0.5884, 0.3517



20.8237, 0.5395, 0.4414

Triad

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



20.8237, 0.5884, 0.3517



20.8237, 0.1999, 0.5264



20.8237, 0.1538, 0.1374

Complementary

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



20.8237, 0.5884, 0.3517



45.4586, 0.2137, 0.2809

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.



20.8237, 0.1080, 0.1495



20.8237, 0.5884, 0.3517



20.8237, 0.1231, 0.3355

Square

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



20.8237, 0.5884, 0.3517



20.8237, 0.3149, 0.6109



20.8237, 0.0972, 0.2053



20.8237, 0.2471, 0.1564

Rectangle

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



20.8237, 0.5884, 0.3517



20.8237, 0.4741, 0.5109



20.8237, 0.0972, 0.2053



20.8237, 0.1340, 0.1377

Sweetspot

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



20.8250, 0.5884, 0.3517



66.2798, 0.3656, 0.3410



21.8818, 0.3606, 0.1826



13.3988, 0.3749, 0.3427



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.



20.8250, 0.5884, 0.3517



23.0523, 0.6250, 0.3419



43.4672, 0.4761, 0.4484



14.7668, 0.3288, 0.3331



10.4894, 0.6221, 0.3442



0.8943, 0.5960, 0.3650

Inverse Universe

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



45.4586, 0.2137, 0.2809



53.8693, 0.2089, 0.2720



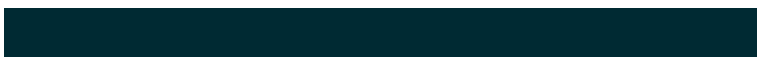
14.7480, 0.1738, 0.1333



15.8921, 0.2981, 0.3249



24.3471, 0.2093, 0.2733



1.9109, 0.2118, 0.2823

Previews

White Background



This preview shows how the Yxy color 20.8237, 0.5884, 0.3517 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 20.8237, 0.5884, 0.3517 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 20.8237, 0.5884, 0.3517

Background



This preview shows how black text looks on a background with the Yxy color 20.8237, 0.5884, 0.3517.



This preview shows how white text looks on a background with the Yxy color 20.8237, 0.5884, 0.3517.

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

20.8237, 0.5884, 0.3517

Protanopia

21.0467, 0.4160, 0.4587

Deuteranopia

20.9065, 0.4710, 0.4642



Tritanopia

20.8158, 0.5603, 0.3274

Trichromacy



Original Color

20.8237, 0.5884, 0.3517

Protanomaly

19.1546, 0.4877, 0.4115

Deuteranomaly

19.4552, 0.5253, 0.4149

Tritanomaly

20.8010, 0.5734, 0.3372

Monochromacy



Original Color

20.8237, 0.5884, 0.3517

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.6636, 0.4246, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8237, 0.5884, 0.3517 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, 66, 32)` looks like.

```
.text, #text, p{  
    color:rgb(230, 66, 32)  
}
```

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, 66, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 66, 32) }
```

Border

The CSS property to change the border of an element to Yxy 20.8237, 0.5884, 0.3517 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, 66, 32) }
```

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

```
.border{ border-color:rgb(230, 66, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 66, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 66, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 66, 32);  
box-shadow:4px 4px 4px 4px rgb(230, 66,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8237, 0.5884, 0.3517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 66, 32) }
```

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

```
.background{ background-color: rgb(230, 66,  
32) }
```

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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