

Converting Colors

$Y_{xy}(22.8221, 0.4583, 0.3542)$

Have a look what the booklet for
Yxy(22.8221, 0.4583, 0.3542)
contains.

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Color

Yxy(22.8221, 0.4583, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	C36B58
RGB	195, 107, 88
RGB Percent	76%, 42%, 35%
CMY	0.2352, 0.5804, 0.6549
CMYK	0.00, 0.45, 0.55, 0.24
HSL	11°, 47%, 55%
HSV	11°, 55%, 76%
XYZ	29.5296, 22.8221, 12.0812
YIQ	131.1460, 58.5470, 12.7470

Conversions

Conversions Part 2

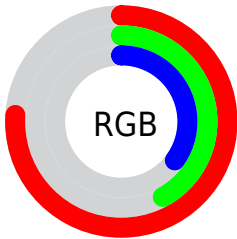
Format	Color
RYB	195, 111, 88
Decimal	12807000
CIELab	54.89, 33.09, 26.12
CIELCh	55, 42.154, 38.283
Yxy	22.8221, 0.4583, 0.3542
Android (android.graphics.Color)	4290997080 (0xFFC36B58)
YUV	131.1460, -21.2710, 56.0000
Hunter-Lab	47.7725, 26.7342, 18.4469

Details

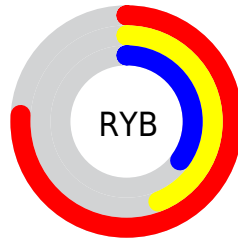
The Yxy color **22.8221, 0.4583, 0.3542** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **37.0802, 0.2377, 0.2997**, and the grayscale version is **22.8138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2366, 0.4265, 0.3523**, and **8.4118, 0.5129, 0.3537** is the 20% darker color. If you saturate the color by 10%, you get **19.5021, 0.4994, 0.3566**, and if you desaturate by 10%, it is **26.8514, 0.4211, 0.3503**.

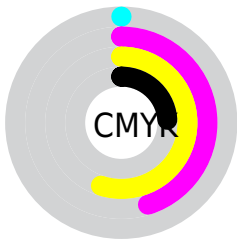
Distribution



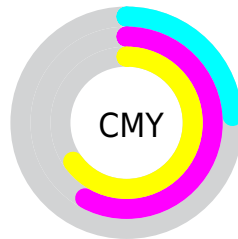
- Red (76%)
- Green (42%)
- Blue (35%)



- Red (76%)
- Yellow (44%)
- Blue (35%)



- Cyan (0%)
- Magenta (45%)
- Yellow (55%)
- Black (24%)





- Cyan (24%)
- Magenta (58%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8221, 0.4583, 0.3542 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 22.8221, 0.4583, 0.3542 by changing the saturation by 10% instead.


 22.8221, 0.4583,
0.3542


 22.8221, 0.4583,
0.3542


266.8099, 0.3766,
0.3445


 14.4622, 0.4815,
0.3548


 48.1011, 0.4265,
0.3518


 8.4428, 0.5127,
0.3539


 65.7889, 0.4152,
0.3505


 4.3796, 0.5560,
0.3491

 87.3548, 0.4059,
0.3493

 1.8881, 0.6491,
0.3509

 113.1833, 0.3981,
0.3482

 0.5412, 0.7240,
0.2760

 143.6586, 0.3915,
0.3472

 0.0000, 1.0000,
0.0000

179.1653, 0.3858,

 0.0000, 0.0000,

0.3462

0.0000

220.0876, 0.3809,
0.3453

■ 22.8221, 0.4583,
0.3542

■ 22.8221, 0.4583,
0.3542

■ 19.5021, 0.4994,
0.3566

■ 26.8514, 0.4211,
0.3503

■ 16.8465, 0.5415,
0.3567

■ 31.6246, 0.3888,
0.3455

■ 14.8105, 0.5802,
0.3536

■ 37.1779, 0.3617,
0.3406

■ 13.3421, 0.6101,
0.3475

■ 43.5446, 0.3392,
0.3357

■ 12.7842, 0.6221,
0.3443

■ 50.7556, 0.3206,
0.3311

■ 58.8403, 0.3052,
0.3269

■ 67.8269, 0.2926,
0.3230

■ 77.7420, 0.2821,
0.3194

■ 88.0502, 0.2775,
0.3251

Harmonies

Analogous

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



22.8221, 0.4190, 0.3003



22.8221, 0.4583, 0.3542



22.8221, 0.4513, 0.4089

Triad

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



22.8221, 0.4583, 0.3542



22.8221, 0.2677, 0.4250



22.8221, 0.2175, 0.2157

Complementary

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



22.8221, 0.4583, 0.3542



37.0802, 0.2377, 0.2997

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.



22.8221, 0.1881, 0.2315



22.8221, 0.4583, 0.3542



22.8221, 0.2131, 0.3483

Square

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



22.8221, 0.4583, 0.3542



22.8221, 0.3382, 0.4653



22.8221, 0.1861, 0.2762



22.8221, 0.2732, 0.2247

Rectangle

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



22.8221, 0.4583, 0.3542



22.8221, 0.4242, 0.4408



22.8221, 0.1861, 0.2762



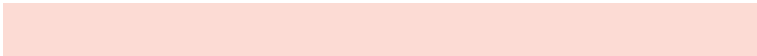
22.8221, 0.2047, 0.2180

Sweetspot

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



22.8233, 0.4583, 0.3542



76.3164, 0.3420, 0.3364



21.7667, 0.3401, 0.2180



16.1707, 0.3465, 0.3374



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.



22.8233, 0.4583, 0.3542



33.8009, 0.5085, 0.3569



37.2267, 0.4153, 0.4209



10.3605, 0.3285, 0.3332



8.3954, 0.6201, 0.3458



0.4535, 0.5798, 0.3778

Inverse Universe

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



37.0802, 0.2377, 0.2997



61.7421, 0.2262, 0.2920



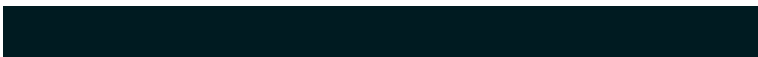
20.3500, 0.2195, 0.2123



11.1146, 0.2984, 0.3248



19.1028, 0.2089, 0.2719



0.9069, 0.2128, 0.2860

Previews

White Background



This preview shows how the Yxy color 22.8221, 0.4583, 0.3542 looks on a white background.

Color Contrast Check

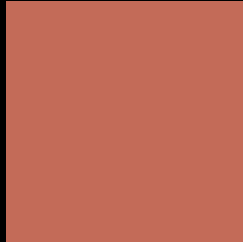
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8221, 0.4583, 0.3542 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 22.8221, 0.4583, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 22.8221, 0.4583, 0.3542.



This preview shows how white text looks on a background with the Yxy color 22.8221, 0.4583, 0.3542.

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

22.8221, 0.4583, 0.3542

Protanopia

23.0471, 0.3612, 0.3883

Deuteranopia

22.9327, 0.4036, 0.3962



Tritanopia

22.9186, 0.4308, 0.3201

Trichromacy



Original Color

22.8221, 0.4583, 0.3542

Protanomaly

22.5511, 0.3964, 0.3756

Deuteranomaly

22.6202, 0.4244, 0.3802

Tritanomaly

22.8182, 0.4404, 0.3320

Monochromacy



Original Color

22.8221, 0.4583, 0.3542

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.0269, 0.3617, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8221, 0.4583, 0.3542 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(195, 107, 88)` looks like.

```
.text, #text, p{  
    color:rgb(195, 107, 88)  
}
```

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(195, 107, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 107, 88) }
```

Border

The CSS property to change the border of an element to Yxy 22.8221, 0.4583, 0.3542 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(195, 107, 88) }
```

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

```
.border{ border-color:rgb(195, 107, 88) }
```

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

Here you see how a box with a 4 pixel rgb(195, 107, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 107, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 107, 88);  
box-shadow:4px 4px 4px 4px rgb(195, 107,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8221, 0.4583, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 107, 88) }
```

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

```
.background{ background-color: rgb(195,  
107, 88) }
```

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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