

Converting Colors

$Y_{xy}(12.5208, 0.5126, 0.3542)$

Have a look what the booklet for
Yxy(12.5208, 0.5126, 0.3542)
contains.

Yxy(12.5208, 0.5126, 0.3542)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.5208, 0.5126, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	A44634
RGB	164, 70, 52
RGB Percent	64%, 27%, 20%
CMY	0.3568, 0.7255, 0.7961
CMYK	0.00, 0.57, 0.68, 0.36
HSL	10°, 52%, 42%
HSV	10°, 68%, 64%
XYZ	18.1202, 12.5208, 4.7086
YIQ	96.0540, 61.8020, 14.3300

Conversions

Conversions Part 2

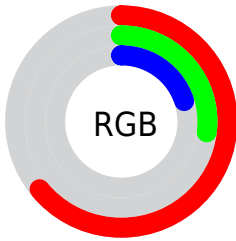
Format	Color
RYB	164, 73, 52
Decimal	10765876
CIELab	42.03, 37.63, 29.86
CIELCh	42, 48.035, 38.427
Yxy	12.5208, 0.5126, 0.3542
Android (android.graphics.Color)	4288955956 (0xFFA44634)
YUV	96.0540, -21.7186, 59.5886
Hunter-Lab	35.3847, 29.4847, 16.8798

Details

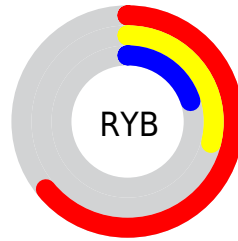
The Yxy color **12.5208, 0.5126, 0.3542** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.9628, 0.2267, 0.2953**, and the grayscale version is **11.7537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4229, 0.4641, 0.3545**, and **3.5143, 0.6024, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **10.8696, 0.5544, 0.3534**, and if you desaturate by 10%, it is **14.6193, 0.4708, 0.3526**.

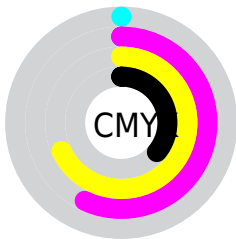
Distribution



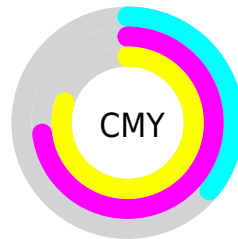
- Red (64%)
- Green (27%)
- Blue (20%)



- Red (64%)
- Yellow (29%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (68%)
- Black (36%)




- Cyan (36%)
- Magenta (73%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5208, 0.5126, 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 12.5208, 0.5126, 0.3542 by changing the saturation by 10% instead.


 12.5208, 0.5126,
0.3542


 12.5208, 0.5126,
0.3542


207.8233, 0.3921,
0.3474


 7.0994, 0.5497,
0.3505


 30.4402, 0.4634,
0.3547

 3.5243, 0.6034,
0.3415

 43.7069, 0.4465,
0.3538


 1.4112, 0.6819,
0.3181

 60.3576, 0.4330,
0.3527

 0.2250, 0.8384,
0.1616

 80.7765, 0.4218,
0.3515

 0.0000, 1.0000,
0.0000

 105.3482, 0.4126,
0.3504

 0.0000, 0.0000,
0.0000

 134.4569, 0.4047,

0.3493

168.4872, 0.3980,
0.3483

■ 12.5208, 0.5126,
0.3542

■ 12.5208, 0.5126,
0.3542

■ 10.8696, 0.5544,
0.3534

■ 14.6193, 0.4708,
0.3526

■ 9.6307, 0.5911,
0.3498

■ 17.1927, 0.4322,
0.3494

■ 8.7639, 0.6189,
0.3442

■ 20.2685, 0.3984,
0.3453

■ 8.6487, 0.6231,
0.3435

■ 23.8716, 0.3698,
0.3409

■ 28.0253, 0.3460,
0.3365

■ 32.7515, 0.3264,
0.3323

■ 38.0708, 0.3102,
0.3284

■ 44.0029, 0.2968,
0.3248

■ 50.5664, 0.2858,
0.3215

Harmonies

Analogous

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



12.5208, 0.4607, 0.2877



12.5208, 0.5126, 0.3542



12.5208, 0.4961, 0.4253

Triad

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



12.5208, 0.5126, 0.3542



12.5208, 0.2468, 0.4684



12.5208, 0.1869, 0.1809

Complementary

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



12.5208, 0.5126, 0.3542



23.9628, 0.2267, 0.2953

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.



12.5208, 0.1508, 0.1977



12.5208, 0.5126, 0.3542



12.5208, 0.1779, 0.3521

Square

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



12.5208, 0.5126, 0.3542



12.5208, 0.3392, 0.5226



12.5208, 0.1469, 0.2521



12.5208, 0.2578, 0.1934

Rectangle

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



12.5208, 0.5126, 0.3542



12.5208, 0.4557, 0.4720



12.5208, 0.1469, 0.2521



12.5208, 0.1712, 0.1830

Sweetspot

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



12.5215, 0.5126, 0.3542



49.2212, 0.3506, 0.3374



12.4603, 0.3451, 0.1971



10.3129, 0.3567, 0.3386



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.5215, 0.5126, 0.3542



18.4617, 0.5746, 0.3519



22.7565, 0.4434, 0.4342



7.2615, 0.3281, 0.3327



6.6796, 0.6217, 0.3446



0.1895, 0.5679, 0.3873

Inverse Universe

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



23.9628, 0.2267, 0.2953



40.3827, 0.2168, 0.2867



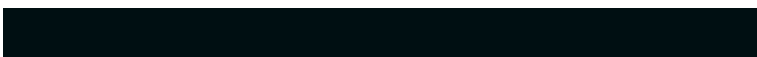
10.9250, 0.1999, 0.1839



7.8163, 0.2988, 0.3253



15.9665, 0.2106, 0.2780



0.3842, 0.2162, 0.2983

Previews

White Background



This preview shows how the Yxy color 12.5208, 0.5126, 0.3542 looks on a white background.

Color Contrast Check

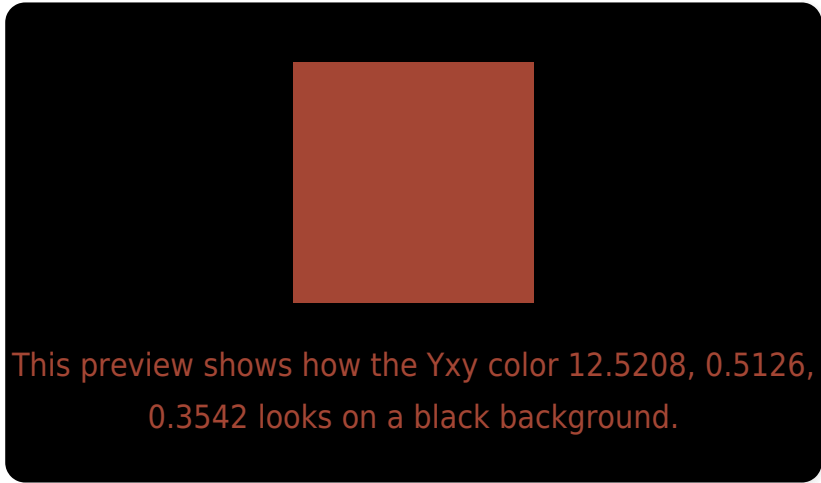
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

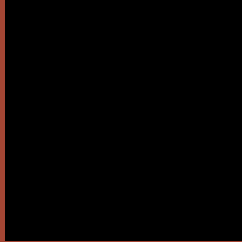
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.5208, 0.5126, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 12.5208, 0.5126, 0.3542.



This preview shows how white text looks on a background with the Yxy color 12.5208, 0.5126, 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

12.5208, 0.5126, 0.3542

Protanopia

12.7244, 0.3791, 0.4101

Deuteranopia

12.6006, 0.4283, 0.4225



Tritanopia

12.4815, 0.4827, 0.3223

Trichromacy



Original Color

12.5208, 0.5126, 0.3542

Protanomaly

12.1277, 0.4284, 0.3873

Deuteranomaly

12.2806, 0.4609, 0.3941

Tritanomaly

12.5152, 0.4944, 0.3338

Monochromacy



Original Color

12.5208, 0.5126, 0.3542

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.4605, 0.3823, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5208, 0.5126, 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(164, 70, 52)` looks like.

```
.text, #text, p{  
    color:rgb(164, 70, 52)  
}
```

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(164, 70, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 70, 52) }
```

Border

The CSS property to change the border of an element to Yxy 12.5208, 0.5126, 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(164, 70, 52) }
```

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

```
.border{ border-color:rgb(164, 70, 52) }
```

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

Here you see how a box with a 4 pixel rgb(164, 70, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 70, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 70, 52);  
box-shadow:4px 4px 4px 4px rgb(164, 70,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5208, 0.5126, 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(164, 70, 52) }
```

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

```
.background{ background-color: rgb(164, 70,  
52) }
```

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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