

Converting Colors

XYZ(12.6209, 8.7615, 4.0436)

Have a look what the booklet for
XYZ(12.6209, 8.7615, 4.0436)
contains.

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Color

**XYZ(12.6209, 8.7615,
4.0436)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3B32
RGB	138, 59, 50
RGB Percent	54%, 23%, 20%
CMY	0.4588, 0.7686, 0.8039
CMYK	0.00, 0.57, 0.64, 0.46
HSL	6°, 47%, 37%
HSV	6°, 64%, 54%
XYZ	12.6209, 8.7615, 4.0436
YIQ	81.5950, 49.9730, 13.9490

Conversions

Conversions Part 2

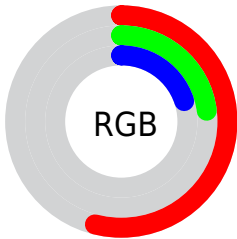
Format	Color
R_{YB}	138, 60, 50
Decimal	9059122
CIE _{Lab}	35.52, 33.01, 22.10
CIE _{LCh}	36, 39.729, 33.803
Yxy	8.7615, 0.4964, 0.3446
Android (android.graphics.Color)	4287249202 (0xFF8A3B32)
YUV	81.5950, -15.5763, 49.4672
Hunter-Lab	29.5998, 24.3099, 12.6203

Details

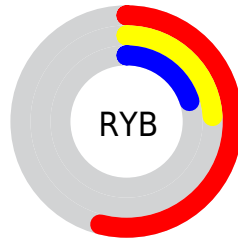
The XYZ color **12.6209, 8.7615, 4.0436** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.7525, 18.2124, 26.8350**, and the grayscale version is **7.9625, 8.3772, 9.1228**.

A 20% lighter version of the original color is **30.3449, 23.5176, 14.0063**, and **3.6815, 2.0236, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **11.8039, 7.5344, 2.5174**, and if you desaturate by 10%, it is **13.6792, 10.3278, 6.0933**.

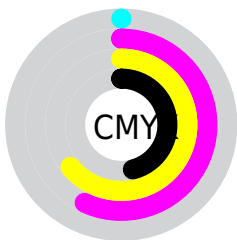
Distribution



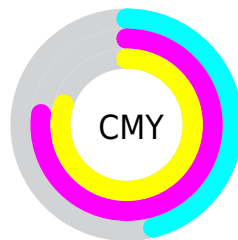
- Red (54%)
- Green (23%)
- Blue (20%)



- Red (54%)
- Yellow (24%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (64%)
- Black (46%)




- Cyan (46%)
- Magenta (77%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6209, 8.7615, 4.0436 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 XYZ color 12.6209, 8.7615, 4.0436 by changing the saturation by 10% instead.


 12.6209, 8.7615,
4.0436

 12.6209, 8.7615,
4.0436


202.1607,
181.5886, 148.7088


 7.2432, 4.5859,
1.6493


 30.2282, 23.4383,
14.1102


 3.6623, 2.0064,
0.3256

 43.1884, 34.7084,
22.6196


 1.5129, 0.6112,
0.0000

 59.4070, 49.1121,
34.0044

 0.3346, 0.0000,
0.0000

 79.2491, 67.0337,
48.6831

 0.0000, 0.0000,
0.0000

 103.0802, 88.8579,
67.0744

 131.2655,

114.9688, 89.5967

164.1706,
145.7509, 116.6687

■ 12.6209, 8.7615,
4.0436

■ 12.6209, 8.7615,
4.0436

■ 11.8039, 7.5344,
2.5174

■ 13.6792, 10.3278,
6.0933

■ 11.2085, 6.6199,
1.4665

■ 14.9954, 12.2543,
8.7079

■ 10.8121, 5.9898,
0.8333

■ 16.5851, 14.5621,
11.9251

■ 10.6398, 5.7205,
0.5434

■ 18.4627, 17.2702,
15.7792

■ 20.6416, 20.3965,
20.3020

■ 23.1341, 23.9574,
25.5231

■ 25.9521, 27.9690,
31.4705

■ 29.1068, 32.4461,
38.1703

■ 32.6086, 37.4029,
45.6478

Harmonies

Analogous

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



13.6305, 8.7615, 8.7158



12.6209, 8.7615, 4.0436



10.4606, 8.7615, 2.0471

Triad

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



12.6209, 8.7615, 4.0436



4.9265, 8.7615, 4.9313



8.6275, 8.7615, 28.8592

Complementary

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



12.6209, 8.7615, 4.0436



13.7525, 18.2124, 26.8350

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.



6.5062, 8.7615, 26.2507



12.6209, 8.7615, 4.0436



4.6167, 8.7615, 10.4141

Square

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



12.6209, 8.7615, 4.0436



6.0803, 8.7615, 2.3667



5.1384, 8.7615, 18.5797



11.0697, 8.7615, 24.6188

Rectangle

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



12.6209, 8.7615, 4.0436



8.8194, 8.7615, 1.6341



5.1384, 8.7615, 18.5797



7.8543, 8.7615, 28.7618

Sweetspot

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



12.6211, 8.7620, 4.0438



34.1525, 32.7529, 31.1425



15.5975, 9.2748, 21.8066



7.4514, 7.0465, 6.5525



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.6211, 8.7620, 4.0438



20.2481, 12.4284, 3.4346



15.8873, 15.2943, 5.1325



5.0714, 5.1257, 5.2745



9.7611, 5.2566, 0.5002



0.0695, 0.0442, 0.0049

Inverse Universe

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



13.7525, 18.2124, 26.8350



22.3565, 30.4144, 47.0754



9.1671, 9.0417, 25.3066



5.1299, 5.6027, 6.4169



10.8067, 14.8837, 24.3490



0.0776, 0.1106, 0.1637

Previews

White Background



This preview shows how the XYZ color 12.6209, 8.7615, 4.0436 looks on a white background.

Color Contrast Check

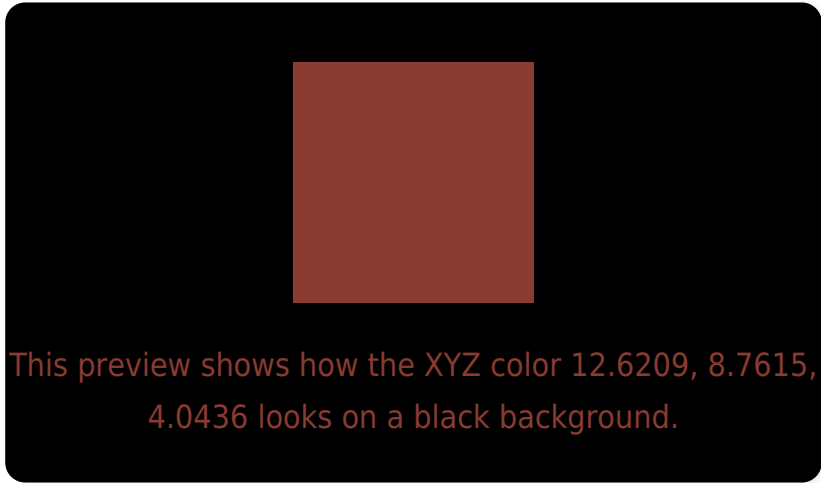
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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](#).

XYZ 12.6209, 8.7615, 4.0436

Background



This preview shows how black text looks on a background with the XYZ color 12.6209, 8.7615, 4.0436.

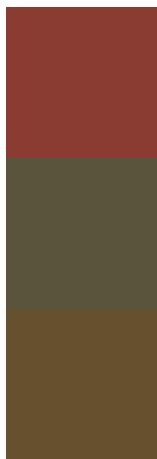


This preview shows how white text looks on a background with the XYZ color 12.6209, 8.7615,

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

12.6209, 8.7615, 4.0436

Protanopia

8.3003, 8.8910, 5.5536

Deuteranopia

8.9553, 8.8181, 3.8148



Tritanopia

12.9529, 8.7521, 5.4215

Trichromacy



Original Color

12.6209, 8.7615, 4.0436

Protanomaly

9.4142, 8.5058, 4.8870

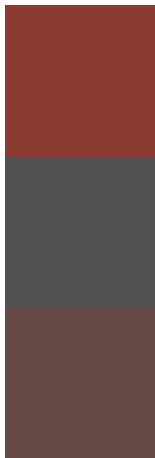
Deuteranomaly

10.0329, 8.5530, 3.8114

Tritanomaly

12.8990, 8.8105, 4.8916

Monochromacy



Original Color

12.6209, 8.7615, 4.0436

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.0338, 8.1645, 6.8941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6209, 8.7615, 4.0436 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(138, 59, 50)` looks like.

```
.text, #text, p{  
    color:rgb(138, 59, 50)  
}
```

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(138, 59, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 59, 50) }
```

Border

The CSS property to change the border of an element to XYZ 12.6209, 8.7615, 4.0436 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(138, 59, 50) }
```


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

```
.border{ border-color:rgb(138, 59, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 59, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 59, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 59, 50);  
box-shadow:4px 4px 4px 4px rgb(138, 59,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6209, 8.7615, 4.0436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 59, 50) }
```

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

```
.background{ background-color: rgb(138, 59,  
50) }
```

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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