

Converting Colors

XYZ(12.2609, 8.8523, 2.2248)

Have a look what the booklet for
XYZ(12.2609, 8.8523, 2.2248)
contains.

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Color

**XYZ(12.2609, 8.8523,
2.2248)**

Conversions

Conversions Part 1

Format	Color
Hex	893E1D
RGB	137, 62, 29
RGB Percent	54%, 24%, 11%
CMY	0.4627, 0.7568, 0.8863
CMYK	0.00, 0.55, 0.79, 0.46
HSL	18°, 65%, 33%
HSV	18°, 79%, 54%
XYZ	12.2609, 8.8523, 2.2248
YIQ	80.6630, 55.2930, 5.6370

Conversions

Conversions Part 2

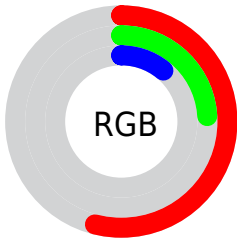
Format	Color
R_{YB}	137, 77, 29
Decimal	8994333
CIE Lab	35.70, 29.80, 34.46
CIE LCh	36, 45.556, 49.146
Yxy	8.8523, 0.5254, 0.3793
Android (android.graphics.Color)	4287184413 (0xFF893E1D)
YUV	80.6630, -25.4699, 49.4075
Hunter-Lab	29.7528, 21.4910, 16.3935

Details

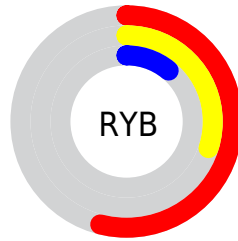
The XYZ color **12.2609, 8.8523, 2.2248** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **9.9719, 11.9670, 25.4510**, and the grayscale version is **7.7958, 8.2018, 8.9318**.

A 20% lighter version of the original color is **29.4601, 23.4790, 9.6358**, and **3.5504, 2.0634, 0.2112** is the 20% darker color. If you saturate the color by 10%, you get **11.6549, 7.8538, 1.3649**, and if you desaturate by 10%, it is **13.0333, 10.0632, 3.5122**.

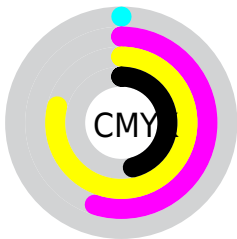
Distribution



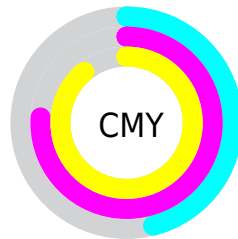
- Red (54%)
- Green (24%)
- Blue (11%)



- Red (54%)
- Yellow (30%)
- Blue (11%)



- Cyan (0%)
- Magenta (55%)
- Yellow (79%)
- Black (46%)




- Cyan (46%)
- Magenta (76%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2609, 8.8523, 2.2248 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 12.2609, 8.8523, 2.2248 by changing the saturation by 10% instead.


 12.2609, 8.8523,
2.2248


 12.2609, 8.8523,
2.2248


199.8598,
182.2722, 125.7752


 6.9951, 4.6450,
0.6886


 29.5821, 23.6131,
9.6467


 3.5053, 2.0405,
0.0000

 42.3683, 34.9354,
16.3950


 1.4263, 0.6308,
0.0000

 58.3919, 49.3981,
25.7263

 0.2748, 0.0000,
0.0000


 78.0184, 67.3857,
38.0590


 0.0000, 0.0000,
0.0000


 101.6130, 89.2825,
53.8117


 129.5413,


115.4729, 73.4029


 162.1684,
146.3413, 97.2513


 12.2609, 8.8523,
2.2248


 12.2609, 8.8523,
2.2248


 11.6549, 7.8538,
1.3649


 13.0333, 10.0632,
3.5122

 11.1883, 7.0480,
0.8167

 13.9848, 11.4973,
5.2750

 11.1397, 6.9648,
0.7572

 15.1274, 13.1663,
7.5550

 16.4716, 15.0807,
10.3893

 18.0273, 17.2503,
13.8114

■ 19.8036, 19.6842,
17.8524

■ 21.8091, 22.3911,
22.5410

■ 24.0519, 25.3795,
27.9042

■ 26.5396, 28.6573,
33.9674

Harmonies

Analogous

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



14.2908, 8.8523, 5.5587



12.2609, 8.8523, 2.2248



9.4235, 8.8523, 1.1908

Triad

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



12.2609, 8.8523, 2.2248



4.2953, 8.8523, 7.1150



10.2223, 8.8523, 31.4256

Complementary

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



12.2609, 8.8523, 2.2248



9.9719, 11.9670, 25.4510

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.



7.4791, 8.8523, 32.6574



12.2609, 8.8523, 2.2248



4.4198, 8.8523, 15.3436

Square

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



12.2609, 8.8523, 2.2248



5.0831, 8.8523, 2.8432



5.4696, 8.8523, 25.6951



12.9516, 8.8523, 22.8981

Rectangle

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



12.2609, 8.8523, 2.2248



7.6200, 8.8523, 1.1719



5.4696, 8.8523, 25.6951



9.2610, 8.8523, 32.8303

Sweetspot

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



12.2611, 8.8528, 2.2250



33.6031, 32.7086, 27.7084



13.2851, 7.2088, 13.9482



7.3223, 7.0410, 5.7298



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.



12.2611, 8.8528, 2.2250



20.1792, 12.8543, 1.6739



16.7146, 17.7599, 3.7095



5.1494, 5.2817, 5.3005



10.3863, 6.5071, 0.7086



0.0808, 0.0667, 0.0086

Inverse Universe

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



9.9719, 11.9670, 25.4510



15.7458, 18.3879, 45.1025



6.1885, 4.4002, 24.1899



5.0460, 5.4350, 6.3889



8.0399, 9.3502, 23.4267



0.0664, 0.0881, 0.1599

Previews

White Background



This preview shows how the XYZ color 12.2609, 8.8523, 2.2248 looks on a white background.

Color Contrast Check

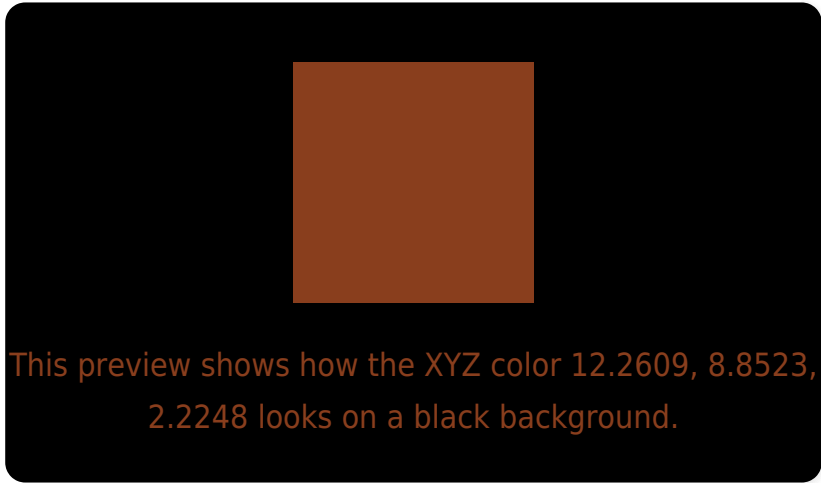
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2609, 8.8523, 2.2248

Background



This preview shows how black text looks on a background with the XYZ color 12.2609, 8.8523, 2.2248.



This preview shows how white text looks on a background with the XYZ color 12.2609, 8.8523,

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

12.2609, 8.8523, 2.2248

Protanopia

8.1680, 8.9980, 2.8964

Deuteranopia

8.9672, 8.8634, 2.0488



Tritanopia

12.8638, 8.7772, 5.5736

Trichromacy



Original Color

12.2609, 8.8523, 2.2248

Protanomaly

9.3588, 8.7326, 2.6311

Deuteranomaly

9.8941, 8.6172, 2.0615

Tritanomaly

12.6209, 8.7615, 4.0436

Monochromacy



Original Color

12.2609, 8.8523, 2.2248

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.6851, 8.0121, 5.6462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2609, 8.8523, 2.2248 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(137, 62, 29)` looks like.

```
.text, #text, p{  
    color:rgb(137, 62, 29)  
}
```

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(137, 62, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 62, 29) }
```

Border

The CSS property to change the border of an element to XYZ 12.2609, 8.8523, 2.2248 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(137, 62, 29) }
```


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

```
.border{ border-color:rgb(137, 62, 29) }
```

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

Here you see how a box with a 4 pixel rgb(137, 62, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 62, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 62, 29);  
box-shadow:4px 4px 4px 4px rgb(137, 62,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2609, 8.8523, 2.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 62, 29) }
```

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

```
.background{ background-color: rgb(137, 62,  
29) }
```

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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