

Converting Colors

XYZ(12.1309, 8.7221, 1.2572)

Have a look what the booklet for
XYZ(12.1309, 8.7221, 1.2572)
contains.

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Color

**XYZ(12.1883, 8.7561,
1.2487)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3D07
RGB	138, 61, 7
RGB Percent	54%, 24%, 3%
CMY	0.4588, 0.7608, 0.9725
CMYK	0.00, 0.56, 0.95, 0.46
HSL	25°, 90%, 28%
HSV	25°, 95%, 54%
XYZ	12.1883, 8.7561, 1.2487
YIQ	77.8670, 63.2260, -0.4700

Conversions

Conversions Part 2

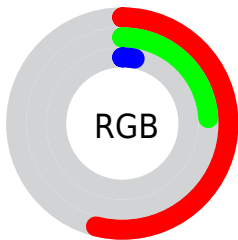
Format	Color
R_{YB}	138, 99, 7
Decimal	9059591
CIE _{Lab}	35.51, 30.11, 43.71
CIE _{LCh}	36, 53.076, 55.438
Yxy	8.7561, 0.5492, 0.3945
Android (android.graphics.Color)	4287249671 (0xFF8A3D07)
YUV	77.8670, -34.9374, 52.7366
Hunter-Lab	29.5907, 21.7397, 18.2115

Details

The XYZ color **12.1883, 8.7561, 1.2487** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.8450, 8.2201, 25.2177**, and the grayscale version is **7.2722, 7.6510, 8.3319**.

A 20% lighter version of the original color is **29.3404, 23.3176, 6.8252**, and **3.5373, 2.0372, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **11.9388, 8.3186, 0.9764**, and if you desaturate by 10%, it is **12.7499, 9.7272, 1.9054**.

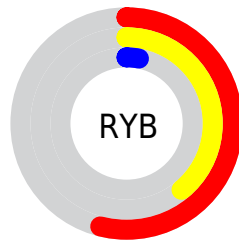
Distribution



Red (54%)

Green (24%)

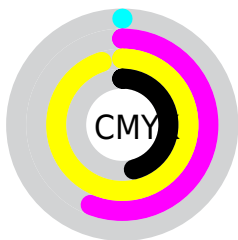
Blue (3%)



Red (54%)

Yellow (39%)

Blue (3%)

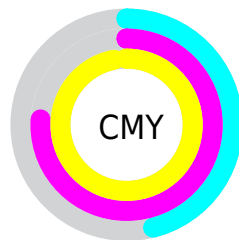


Cyan (0%)

Magenta (56%)

Yellow (95%)

Black (46%)



Cyan (46%)

Magenta (76%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1883, 8.7561, 1.2487 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 12.1883, 8.7561, 1.2487 by changing the saturation by 10% instead.

12.1883, 8.7561,
1.2487

12.1883, 8.7561,
1.2487

199.3925,
181.5478, 109.3318

6.9452, 4.5824,
0.0192

29.4515, 23.4279,
6.8606

3.4739, 2.0044,
0.0000

42.2022, 34.6949,
12.3552

1.4090, 0.6100,
0.0000

58.1862, 49.0950,
20.2002

0.2626, 0.0000,
0.0000


77.7689, 67.0128,
30.8143


0.0000, 0.0000,
0.0000


101.3154, 88.8325,
44.6160


129.1913,


114.9387, 62.0238


 161.7619,
145.7157, 83.4562


 12.1883, 8.7561,
1.2487


 12.1883, 8.7561,
1.2487


 11.9388, 8.3186,
0.9764

 12.7499, 9.7272,
1.9054

 13.4484, 10.8618,
2.9470

 14.2981, 12.1703,
4.4354

 15.3100, 13.6610,
6.4164

 16.4939, 15.3415,
8.9296

■ 17.8586, 17.2190,
12.0109

■ 19.4123, 19.3001,
15.6929

■ 21.1628, 21.5913,
20.0057

■ 23.1171, 24.0986,
24.9773

Harmonies

Analogous

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



14.9596, 8.7561, 3.9153



12.1883, 8.7561, 1.2487



8.8062, 8.7561, 0.5814

Triad

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



12.1883, 8.7561, 1.2487



3.6780, 8.7561, 8.2379



11.1583, 8.7561, 34.7997

Complementary

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



12.1883, 8.7561, 1.2487



7.8450, 8.2201, 25.2177

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.



7.8566, 8.7561, 38.7398



12.1883, 8.7561, 1.2487



4.0124, 8.7561, 18.9220

Square

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



12.1883, 8.7561, 1.2487



4.3114, 8.7561, 2.7530



5.3749, 8.7561, 31.6749



14.2686, 8.7561, 22.8902

Rectangle

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



12.1883, 8.7561, 1.2487



6.8326, 8.7561, 0.7036



5.3749, 8.7561, 31.6749



10.0144, 8.7561, 37.3249

Sweetspot

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



12.1885, 8.7566, 1.2488



33.1727, 32.6307, 25.1519



12.2208, 6.2207, 9.2765



7.2105, 7.0104, 5.0979



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.



12.1885, 8.7566, 1.2488



20.8963, 14.3667, 1.6717



17.8404, 20.0604, 3.1328



5.1912, 5.3652, 5.3144



10.9601, 7.6546, 0.8998



0.0867, 0.0786, 0.0106

Inverse Universe

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



7.8450, 8.2201, 25.2177



13.1290, 13.3201, 44.2622



4.9270, 2.3840, 24.2450



5.0028, 5.3486, 6.3745



6.9259, 7.1221, 23.0554



0.0605, 0.0762, 0.1580

Previews

White Background



This preview shows how the XYZ color 12.1883, 8.7561, 1.2487 looks on a white background.

Color Contrast Check

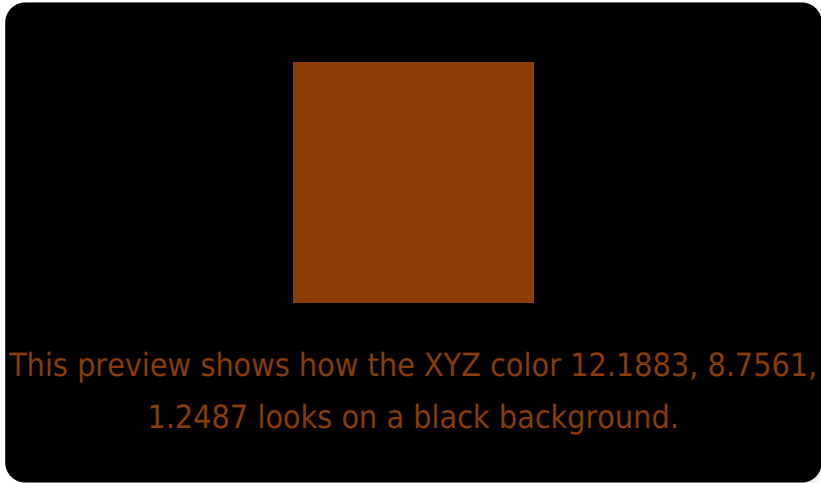
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1883, 8.7561, 1.2487

Background



This preview shows how black text looks on a background with the XYZ color 12.1883, 8.7561, 1.2487.



This preview shows how white text looks on a background with the XYZ color 12.1883, 8.7561,

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

12.1883, 8.7561, 1.2487

Protanopia

8.0540, 8.9644, 1.7577

Deuteranopia

8.9321, 8.8631, 1.2400



Tritanopia

13.0940, 8.8279, 5.2888

Trichromacy



Original Color

12.1883, 8.7561, 1.2487

Protanomaly

9.2063, 8.5749, 1.5177

Deuteranomaly

9.8702, 8.6232, 1.2304

Tritanomaly

12.5608, 8.6752, 3.1103

Monochromacy



Original Color

12.1883, 8.7561, 1.2487

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.1927, 7.5920, 4.2824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1883, 8.7561, 1.2487 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, 61, 7)` looks like.

```
.text, #text, p{  
    color:rgb(138, 61, 7)  
}
```

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, 61, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 61, 7) }
```

Border

The CSS property to change the border of an element to XYZ 12.1883, 8.7561, 1.2487 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, 61, 7) }
```


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

```
.border{ border-color:rgb(138, 61, 7) }
```

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

Here you see how a box with a 4 pixel rgb(138, 61, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 61, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 61, 7);  
box-shadow:4px 4px 4px 4px rgb(138, 61, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1883, 8.7561, 1.2487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 61, 7) }
```

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

```
.background{ background-color: rgb(138, 61,  
7) }
```

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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