

Converting Colors

XYZ(12.1085, 8.7193, 1.0843)

Have a look what the booklet for
XYZ(12.1085, 8.7193, 1.0843)
contains.

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Color

**XYZ(12.1555, 8.7430,
1.0756)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3D01
RGB	138, 61, 1
RGB Percent	54%, 24%, 0%
CMY	0.4588, 0.7608, 0.9961
CMYK	0.00, 0.56, 0.99, 0.46
HSL	26°, 99%, 27%
HSV	26°, 99%, 54%
XYZ	12.1555, 8.7430, 1.0756
YIQ	77.1830, 65.1520, -2.3360

Conversions

Conversions Part 2

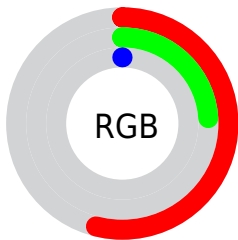
Format	Color
RYB	138, 108, 1
Decimal	9059585
CIELab	35.48, 29.99, 45.85
CIElCh	35, 54.792, 56.809
Yxy	8.7430, 0.5532, 0.3979
Android (android.graphics.Color)	4287249665 (0xFF8A3D01)
YUV	77.1830, -37.5582, 53.3365
Hunter-Lab	29.5686, 21.6355, 18.5412

Details

The XYZ color **12.1555, 8.7430, 1.0756** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **7.3241, 7.2896, 25.0657**, and the grayscale version is **7.1479, 7.5202, 8.1895**.

A 20% lighter version of the original color is **29.2445, 23.2792, 6.3201**, and **3.5373, 2.0372, 0.2068** is the 20% darker color. If you saturate the color by 10%, you get **12.1203, 8.6815, 1.0369**, and if you desaturate by 10%, it is **12.6794, 9.6641, 1.6416**.

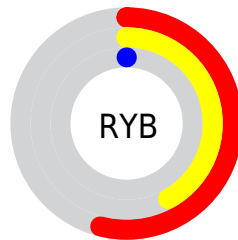
Distribution



Red (54%)

Green (24%)

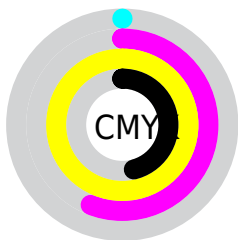
Blue (0%)



Red (54%)

Yellow (42%)

Blue (0%)

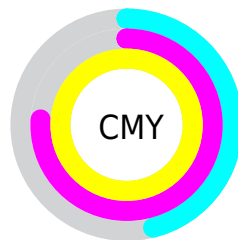


Cyan (0%)

Magenta (56%)

Yellow (99%)

Black (46%)



Cyan (46%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1555, 8.7430, 1.0756 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 12.1555, 8.7430, 1.0756 by changing the saturation by 10% instead.


 12.1555, 8.7430,
1.0756


 12.1555, 8.7430,
1.0756


 199.1810,
181.4489, 105.7866


 6.9226, 4.5739,
0.0000


 29.3924, 23.4027,
6.3100


 3.4597, 1.9995,
0.0000

 42.1271, 34.6620,
11.5362


 1.4012, 0.6072,
0.0000

 58.0932, 49.0537,
19.0597

 0.2571, 0.0000,
0.0000


 77.6560, 66.9619,
29.2991


 0.0000, 0.0000,
0.0000


 101.1808, 88.7711,
42.6730


 129.0330,

114.8658, 59.5998


 161.5779,
145.6303, 80.4982


 12.1555, 8.7430,
1.0756


 12.1555, 8.7430,
1.0756


 12.1203, 8.6815,
1.0369

 12.6794, 9.6641,
1.6416

 13.3182, 10.7304,
2.5059

 14.0978, 11.9563,
3.7931

 15.0295, 13.3499,
5.5519

 16.1232, 14.9184,
7.8243

■ 17.3878, 16.6685,
10.6477

■ 18.8315, 18.6065,
14.0557

■ 20.4619, 20.7384,
18.0795

■ 22.2861, 23.0698,
22.7478

Harmonies

Analogous

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



15.1032, 8.7430, 3.5769



12.1555, 8.7430, 1.0756



8.6573, 8.7430, 0.4526

Triad

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



12.1555, 8.7430, 1.0756



3.5548, 8.7430, 8.5718



11.4068, 8.7430, 35.5127

Complementary

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



12.1555, 8.7430, 1.0756



7.3241, 7.2896, 25.0657

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.



7.9721, 8.7430, 40.1968



12.1555, 8.7430, 1.0756



3.9380, 8.7430, 19.8894

Square

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



12.1555, 8.7430, 1.0756



4.1499, 8.7430, 2.7630



5.3753, 8.7430, 33.2046



14.5987, 8.7430, 22.7980

Rectangle

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



12.1555, 8.7430, 1.0756



6.6540, 8.7430, 0.6103



5.3753, 8.7430, 33.2046



10.2201, 8.7430, 38.3301

Sweetspot

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



12.1557, 8.7435, 1.0757



32.8270, 32.3105, 23.8917



11.8900, 5.9842, 7.8558



7.1509, 6.9639, 4.8539



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.



12.1557, 8.7435, 1.0757



21.2123, 14.9988, 1.7770



18.3193, 21.0708, 3.1303



5.2013, 5.3855, 5.3178



11.1268, 7.9880, 0.9554



0.0881, 0.0814, 0.0111

Inverse Universe

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



7.3241, 7.2896, 25.0657



12.6740, 12.4101, 44.1106



4.7100, 2.0614, 24.1943



4.9925, 5.3279, 6.3711



6.6899, 6.6501, 22.9767



0.0591, 0.0734, 0.1575

Previews

White Background



This preview shows how the XYZ color 12.1555, 8.7430, 1.0756 looks on a white background.

Color Contrast Check

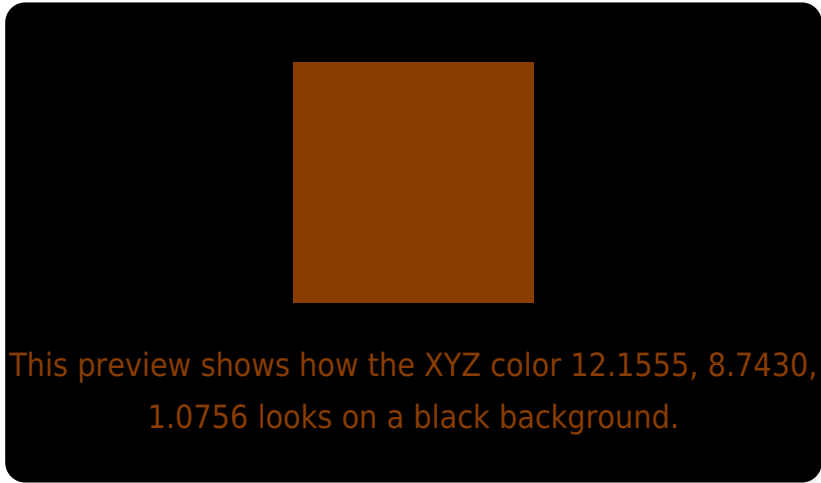
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1555, 8.7430, 1.0756

Background



This preview shows how black text looks on a background with the XYZ color 12.1555, 8.7430, 1.0756.



This preview shows how white text looks on a background with the XYZ color 12.1555, 8.7430,

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

12.1555, 8.7430, 1.0756

Protanopia

8.0405, 8.9590, 1.6862

Deuteranopia

8.9321, 8.8631, 1.2400



Tritanopia

13.0940, 8.8279, 5.2888

Trichromacy



Original Color

12.1555, 8.7430, 1.0756

Protanomaly

9.1893, 8.5681, 1.4279

Deuteranomaly

9.8538, 8.6166, 1.1438

Tritanomaly

12.5267, 8.6616, 2.9311

Monochromacy



Original Color

12.1555, 8.7430, 1.0756

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

7.9532, 7.3809, 3.9112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1555, 8.7430, 1.0756 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, 1)` looks like.

```
.text, #text, p{  
    color:rgb(138, 61, 1)  
}
```

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, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 61, 1) }
```

Border

The CSS property to change the border of an element to XYZ 12.1555, 8.7430, 1.0756 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, 1) }
```


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

```
.border{ border-color:rgb(138, 61, 1) }
```

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, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 61, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 61, 1);  
box-shadow:4px 4px 4px 4px rgb(138, 61, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1555, 8.7430, 1.0756 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, 1) }
```

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

```
.background{ background-color: rgb(138, 61,  
1) }
```

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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