

Converting Colors

XYZ(12.3745, 9.2238, 1.6081)

Have a look what the booklet for
XYZ(12.3745, 9.2238, 1.6081)
contains.

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Color

**XYZ(12.3583, 9.2522,
1.6247)**

Conversions

Conversions Part 1

Format	Color
Hex	894210
RGB	137, 66, 16
RGB Percent	54%, 26%, 6%
CMY	0.4627, 0.7412, 0.9372
CMYK	0.00, 0.52, 0.88, 0.46
HSL	25°, 79%, 30%
HSV	25°, 88%, 54%
XYZ	12.3583, 9.2522, 1.6247
YIQ	81.5290, 58.3660, -0.4980

Conversions

Conversions Part 2

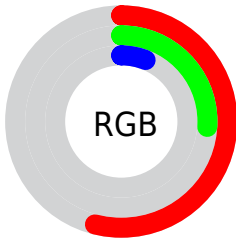
Format	Color
R_{YB}	137, 101, 16
Decimal	8995344
CIE _{Lab}	36.47, 27.16, 41.22
CIE _{LCh}	36, 49.364, 56.618
Yxy	9.2522, 0.5319, 0.3982
Android (android.graphics.Color)	4287185424 (0xFF894210)
YUV	81.5290, -32.3058, 48.6481
Hunter-Lab	30.4174, 19.2923, 18.1253

Details

The XYZ color **12.3583, 9.2522, 1.6247** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.1370, 8.7322, 24.9235**, and the grayscale version is **7.9805, 8.3961, 9.1433**.

A 20% lighter version of the original color is **29.8211, 24.3674, 7.9821**, and **3.6262, 2.2151, 0.2364** is the 20% darker color. If you saturate the color by 10%, you get **11.8404, 8.3461, 1.0530**, and if you desaturate by 10%, it is **12.9987, 10.3138, 2.5141**.

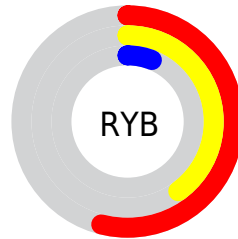
Distribution



Red (54%)

Green (26%)

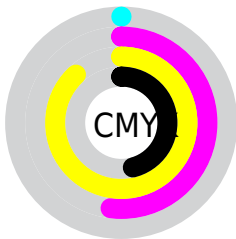
Blue (6%)



Red (54%)

Yellow (40%)

Blue (6%)

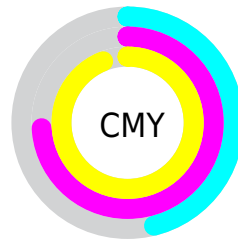


Cyan (0%)

Magenta (52%)

Yellow (88%)

Black (46%)



Cyan (46%)


Magenta (74%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3583, 9.2522, 1.6247 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 12.3583, 9.2522, 1.6247 by changing the saturation by 10% instead.


 12.3583, 9.2522,
1.6247


 12.3583, 9.2522,
1.6247


 200.4850,
185.2483, 116.2464


 7.0621, 4.9060,
0.3084


 29.7572, 24.3791,
7.9868


 3.5477, 2.1922,
0.0000

 42.5907, 35.9287,
14.0070


 1.4496, 0.7158,
0.0000

 58.6673, 50.6482,
22.4782

 0.2911, 0.0000,
0.0000

 78.3524, 68.9220,
33.8188


 0.0000, 0.0000,
0.0000


 102.0114, 91.1345,
48.4474


 130.0096,


117.6701, 66.7825


 162.7123,
148.9133, 89.2427


 12.3583, 9.2522,
1.6247


 12.3583, 9.2522,
1.6247


 11.8404, 8.3461,
1.0530


 12.9987, 10.3138,
2.5141

 11.7607, 8.2067,
0.9642

 13.7834, 11.5426,
3.8258

 14.7238, 12.9473,
5.6072

 15.8300, 14.5357,
7.8992

 17.1108, 16.3150,
10.7381

■ 18.5745, 18.2917,
14.1569

■ 20.2288, 20.4723,
18.1859

■ 22.0809, 22.8628,
22.8533

■ 24.1376, 25.4689,
28.1855

Harmonies

Analogous

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



15.0124, 9.2522, 4.3442



12.3583, 9.2522, 1.6247



9.1381, 9.2522, 0.9504

Triad

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



12.3583, 9.2522, 1.6247



4.2069, 9.2522, 9.1321



11.6346, 9.2522, 33.1820

Complementary

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



12.3583, 9.2522, 1.6247



8.1370, 8.7322, 24.9235

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.



8.4586, 9.2522, 37.1353



12.3583, 9.2522, 1.6247



4.5849, 9.2522, 19.4173

Square

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



12.3583, 9.2522, 1.6247



4.8085, 9.2522, 3.4515



5.9907, 9.2522, 31.0743



14.5323, 9.2522, 22.1460

Rectangle

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



12.3583, 9.2522, 1.6247



7.2477, 9.2522, 1.0939



5.9907, 9.2522, 31.0743



10.5458, 9.2522, 35.5823

Sweetspot

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



12.3585, 9.2527, 1.6249



33.7560, 33.4126, 26.5322



12.2882, 6.4036, 9.9518



7.3855, 7.2467, 5.5071



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.



12.3585, 9.2527, 1.6249



20.9082, 14.3905, 1.6757



17.7310, 19.9977, 3.4157



5.1916, 5.3660, 5.3145



10.9664, 7.6672, 0.9019



0.0867, 0.0787, 0.0106

Inverse Universe

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



8.1370, 8.7322, 24.9235



13.1108, 13.2836, 44.2562



5.1467, 2.7516, 23.9267



5.0024, 5.3478, 6.3744



6.9164, 7.1032, 23.0522



0.0604, 0.0761, 0.1580

Previews

White Background



This preview shows how the XYZ color 12.3583, 9.2522, 1.6247 looks on a white background.

Color Contrast Check

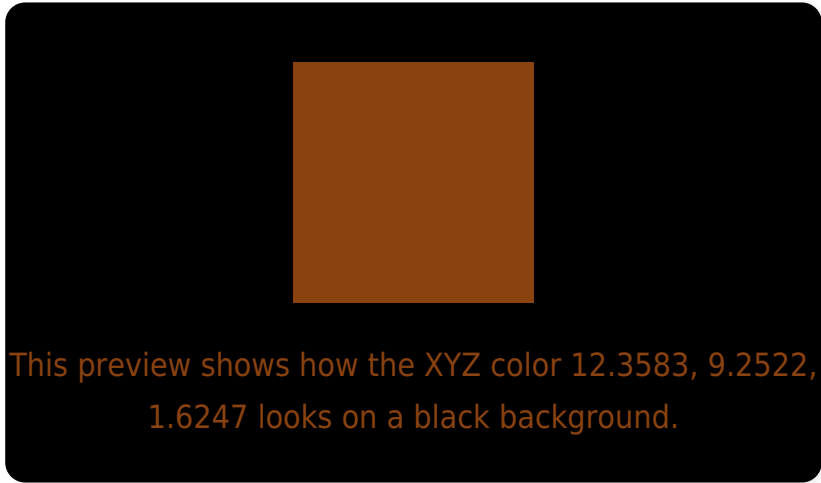
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3583, 9.2522, 1.6247

Background



This preview shows how black text looks on a background with the XYZ color 12.3583, 9.2522, 1.6247.



This preview shows how white text looks on a background with the XYZ color 12.3583, 9.2522,

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

12.3583, 9.2522, 1.6247

Protanopia

8.4733, 9.4119, 2.0796

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

13.3535, 9.3276, 6.2509

Trichromacy



Original Color

12.3583, 9.2522, 1.6247

Protanomaly

9.5956, 9.0837, 1.8637

Deuteranomaly

10.2251, 9.1040, 1.3906

Tritanomaly

12.7922, 9.1717, 3.8924

Monochromacy



Original Color

12.3583, 9.2522, 1.6247

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.8277, 8.2992, 5.1396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3583, 9.2522, 1.6247 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, 66, 16)` looks like.

```
.text, #text, p{  
    color:rgb(137, 66, 16)  
}
```

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, 66, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 66, 16) }
```

Border

The CSS property to change the border of an element to XYZ 12.3583, 9.2522, 1.6247 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, 66, 16) }
```


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

```
.border{ border-color:rgb(137, 66, 16) }
```

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

Here you see how a box with a 4 pixel rgb(137, 66, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 66, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 66, 16);  
box-shadow:4px 4px 4px 4px rgb(137, 66,  
16) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3583, 9.2522, 1.6247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 66, 16) }
```

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

```
.background{ background-color: rgb(137, 66,  
16) }
```

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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