

Converting Colors

XYZ(12.6456, 9.3361, 3.7004)

Have a look what the booklet for
XYZ(12.6456, 9.3361, 3.7004)
contains.

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Color

**XYZ(12.5947, 9.3279,
3.7214)**

Conversions

Conversions Part 1

Format	Color
Hex	88422E
RGB	136, 66, 46
RGB Percent	53%, 26%, 18%
CMY	0.4667, 0.7412, 0.8196
CMYK	0.00, 0.51, 0.66, 0.47
HSL	13°, 49%, 36%
HSV	13°, 66%, 53%
XYZ	12.5947, 9.3279, 3.7214
YIQ	84.6500, 48.1400, 8.6200

Conversions

Conversions Part 2

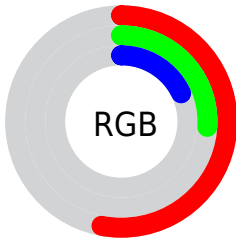
Format	Color
R_{YB}	136, 72, 46
Decimal	8929838
CIE _{Lab}	36.61, 28.15, 25.80
CIE _{LCh}	37, 38.184, 42.503
Yxy	9.3279, 0.4911, 0.3637
Android (android.graphics.Color)	4287119918 (0xFF88422E)
YUV	84.6500, -19.0545, 45.0339
Hunter-Lab	30.5416, 20.1617, 14.1548

Details

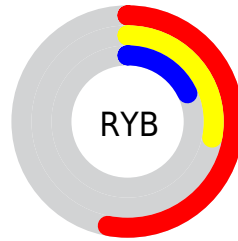
The XYZ color **12.5947, 9.3279, 3.7214** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **11.8156, 14.8483, 25.5357**, and the grayscale version is **8.5932, 9.0407, 9.8454**.

A 20% lighter version of the original color is **30.1695, 24.6009, 13.2836**, and **3.6262, 2.2151, 0.2364** is the 20% darker color. If you saturate the color by 10%, you get **11.8061, 8.1138, 2.3391**, and if you desaturate by 10%, it is **13.5831, 10.8056, 5.5896**.

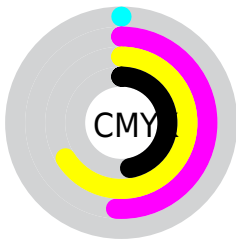
Distribution



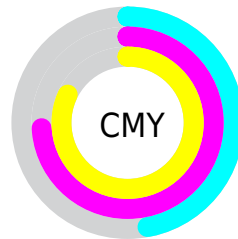
- Red (53%)
- Green (26%)
- Blue (18%)



- Red (53%)
- Yellow (28%)
- Blue (18%)



- Cyan (0%)
- Magenta (51%)
- Yellow (66%)
- Black (47%)




- Cyan (47%)
- Magenta (74%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5947, 9.3279, 3.7214 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 12.5947, 9.3279, 3.7214 by changing the saturation by 10% instead.


 12.5947, 9.3279,
3.7214


 12.5947, 9.3279,
3.7214


201.9941,
185.8055, 145.0765


 7.2251, 4.9557,
1.4738


 30.1812, 24.5234,
13.3620


 3.6509, 2.2213,
0.1983

 43.1289, 36.1155,
21.5920


 1.5066, 0.7316,
0.0000

 59.3334, 50.8830,
32.6532

 0.3303, 0.0000,
0.0000

 79.1599, 69.2103,
46.9642

 0.0000, 0.0000,
0.0000

 102.9739, 91.4818,
64.9435

 131.1407,

118.0820, 87.0096

164.0256,
149.3950, 113.5811

■ 12.5947, 9.3279,
3.7214

■ 12.5947, 9.3279,
3.7214

■ 11.8061, 8.1138,
2.3391

■ 13.5831, 10.8056,
5.5896

■ 11.2018, 7.1459,
1.3961

■ 14.7836, 12.5600,
7.9834

■ 10.7617, 6.4053,
0.8185

■ 16.2085, 14.6051,
10.9389

■ 10.6234, 6.1743,
0.6319

■ 17.8686, 16.9534,
14.4890

■ 19.7744, 19.6167,
18.6639

■ 21.9353, 22.6061,
23.4918

■ 24.3605, 25.9325,
28.9991

■ 27.0588, 29.6057,
35.2109

■ 30.0382, 33.6356,
42.1508

Harmonies

Analogous

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



13.9967, 9.3279, 7.6249



12.5947, 9.3279, 3.7214



10.2818, 9.3279, 2.1774

Triad

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



12.5947, 9.3279, 3.7214



5.2436, 9.3279, 6.7676



9.8713, 9.3279, 28.5311

Complementary

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



12.5947, 9.3279, 3.7214



11.8156, 14.8483, 25.5357

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.



7.5864, 9.3279, 27.9591



12.5947, 9.3279, 3.7214



5.1728, 9.3279, 13.1943

Square

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



12.5947, 9.3279, 3.7214



6.1711, 9.3279, 3.3313



5.9569, 9.3279, 21.5215



12.2493, 9.3279, 22.8515

Rectangle

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



12.5947, 9.3279, 3.7214



8.6717, 9.3279, 1.9758



5.9569, 9.3279, 21.5215



9.0630, 9.3279, 29.1163

Sweetspot

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



12.5949, 9.3284, 3.7216



33.3644, 32.5029, 29.6210



14.3119, 8.4609, 17.5547



7.5378, 7.2630, 6.4463



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.



12.5949, 9.3284, 3.7216



20.2840, 13.4730, 3.2776



16.2765, 16.6916, 4.9488



5.1172, 5.2173, 5.2897



10.0609, 5.8561, 0.6001



0.0761, 0.0575, 0.0071

Inverse Universe

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



11.8156, 14.8483, 25.5357



18.7265, 23.7927, 44.6538



7.8559, 6.9288, 24.2158



5.0802, 5.5032, 6.4003



9.0690, 11.4084, 23.7697



0.0710, 0.0973, 0.1615

Previews

White Background



This preview shows how the XYZ color 12.5947, 9.3279, 3.7214 looks on a white background.

Color Contrast Check

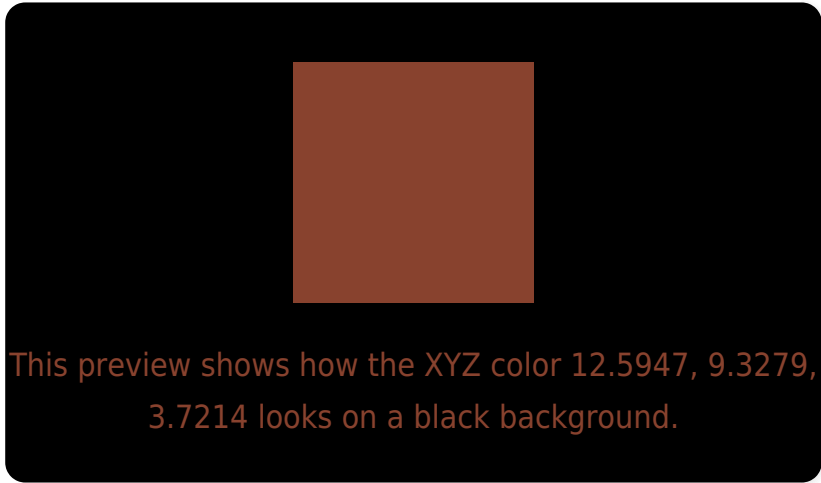
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5947, 9.3279, 3.7214

Background



This preview shows how black text looks on a background with the XYZ color 12.5947, 9.3279, 3.7214.



This preview shows how white text looks on a background with the XYZ color 12.5947, 9.3279,

3.7214.

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

12.5947, 9.3279, 3.7214

Protanopia

8.7701, 9.5063, 4.7408

Deuteranopia

9.5927, 9.4867, 3.6110



Tritanopia

13.1374, 9.2907, 6.5697

Trichromacy



Original Color

12.5947, 9.3279, 3.7214

Protanomaly

9.8021, 9.1373, 4.2647

Deuteranomaly

10.5797, 9.3412, 3.6283

Tritanomaly

12.9655, 9.3114, 5.3889

Monochromacy



Original Color

12.5947, 9.3279, 3.7214

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.5706, 8.8468, 7.1644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5947, 9.3279, 3.7214 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(136, 66, 46)` looks like.

```
.text, #text, p{  
    color:rgb(136, 66, 46)  
}
```

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(136, 66, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 66, 46) }
```

Border

The CSS property to change the border of an element to XYZ 12.5947, 9.3279, 3.7214 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(136, 66, 46) }
```


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

```
.border{ border-color:rgb(136, 66, 46) }
```

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

Here you see how a box with a 4 pixel rgb(136, 66, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 66, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 66, 46);  
box-shadow:4px 4px 4px 4px rgb(136, 66,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5947, 9.3279, 3.7214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 66, 46) }
```

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

```
.background{ background-color: rgb(136, 66,  
46) }
```

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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