

Converting Colors

XYZ(12.6981, 9.0572, 14.5157)

Have a look what the booklet for
XYZ(12.6981, 9.0572, 14.5157)
contains.

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Color

**XYZ(12.7523, 9.0856,
14.4462)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4169
RGB	124, 65, 105
RGB Percent	49%, 25%, 41%
CMY	0.5137, 0.7451, 0.5882
CMYK	0.00, 0.48, 0.15, 0.51
HSL	319°, 31%, 37%
HSV	319°, 48%, 49%
XYZ	12.7523, 9.0856, 14.4462
YIQ	87.2010, 22.3240, 24.9480

Conversions

Conversions Part 2

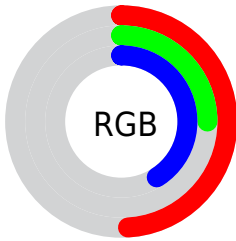
Format	Color
RYB	124, 65, 105
Decimal	8143209
CIELab	36.15, 31.19, -12.10
CIELCh	36, 33.453, 338.804
Yxy	9.0856, 0.3515, 0.2504
Android (android.graphics.Color)	4286333289 (0xFF7C4169)
YUV	87.2010, 8.7749, 32.2727
Hunter-Lab	30.1423, 22.7688, -7.3161

Details

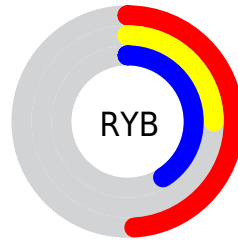
The XYZ color **12.7523, 9.0856, 14.4462** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.9883, 16.1795, 10.9320**, and the grayscale version is **9.0810, 9.5539, 10.4042**.

A 20% lighter version of the original color is **30.4916, 24.1267, 34.5023**, and **3.7118, 2.1229, 4.2171** is the 20% darker color. If you saturate the color by 10%, you get **11.9167, 7.7350, 13.1787**, and if you desaturate by 10%, it is **13.7544, 10.7535, 15.8170**.

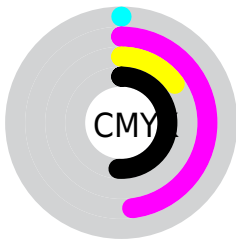
Distribution



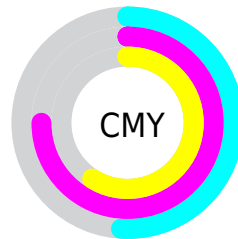
- Red (49%)
- Green (25%)
- Blue (41%)



- Red (49%)
- Yellow (25%)
- Blue (41%)



- Cyan (0%)
- Magenta (48%)
- Yellow (15%)
- Black (51%)



- Cyan (51%)
- Magenta (75%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7523, 9.0856, 14.4462 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 12.7523, 9.0856, 14.4462 by changing the saturation by 10% instead.

12.7523, 9.0856,
14.4462

12.7523, 9.0856,
14.4462

202.9939,
184.0152, 231.5134

7.3340, 4.7971,
8.2894

30.4632, 24.0608,
34.6071

3.7200, 2.1287,
4.1902

43.4865, 35.5162,
49.4483

1.5450, 0.6807,
1.7303

59.7755, 50.1293,
68.0213

0.3561, 0.0000,
0.3814

79.6956, 68.2847,
90.7448

0.0000, 0.0000,
0.0000

103.6121, 90.3665,
118.0372

131.8905,

116.7593, 150.3171

164.8959,
147.8474, 188.0029

■ 12.7523, 9.0856,
14.4462

■ 12.7523, 9.0856,
14.4462

■ 11.9167, 7.7350,
13.1787

■ 13.7544, 10.7535,
15.8170

■ 11.2362, 6.6798,
12.0097

■ 14.9318, 12.7563,
17.2943

■ 10.6995, 5.8970,
10.9349

■ 16.2934, 15.1118,
18.8818

■ 10.2931, 5.3600,
9.9492

■ 17.8475, 17.8362,
20.5830

■ 9.9859, 5.0067,
9.0413

■ 19.6017, 20.9446,
22.4008

■ 9.9151, 4.9263,
8.8294

■ 21.5633, 24.4514,
24.3384

■ 23.7392, 28.3701,
26.3987

■ 26.1358, 32.7137,
28.5842

■ 28.7596, 37.4945,
30.8978

Harmonies

Analogous

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



11.2841, 9.0856, 21.2340



12.7523, 9.0856, 14.4462



13.0337, 9.0856, 8.2970

Triad

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



12.7523, 9.0856, 14.4462



8.0588, 9.0856, 2.5010



5.9659, 9.0856, 18.5513

Complementary

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



12.7523, 9.0856, 14.4462



10.9883, 16.1795, 10.9320

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.



5.3583, 9.0856, 11.6809



12.7523, 9.0856, 14.4462



6.4377, 9.0856, 3.5414

Square

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



12.7523, 9.0856, 14.4462



10.1060, 9.0856, 2.7558



5.5165, 9.0856, 6.4133



7.3152, 9.0856, 24.1724

Rectangle

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



12.7523, 9.0856, 14.4462



12.4739, 9.0856, 5.4691



5.5165, 9.0856, 6.4133



5.6785, 9.0856, 16.2239

Sweetspot

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



12.7526, 9.0860, 14.4464



29.5222, 28.0767, 34.1768



9.1567, 7.1066, 19.9581



6.8399, 6.4151, 7.9235



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



12.7526, 9.0860, 14.4464



20.8681, 13.4498, 23.0257



11.5010, 8.5854, 7.8556



4.1022, 4.0566, 4.7357



10.0783, 5.0075, 8.9694



47.6729, 23.7255, 40.6692

Inverse Universe

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



12.7526, 9.0860, 14.4464



20.8681, 13.4498, 23.0257



12.3789, 16.7358, 18.2552



4.1022, 4.0566, 4.7357



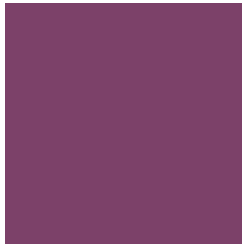
10.0783, 5.0075, 8.9694



47.6729, 23.7255, 40.6692

Previews

White Background



This preview shows how the XYZ color 12.7523, 9.0856, 14.4462 looks on a white background.

Color Contrast Check

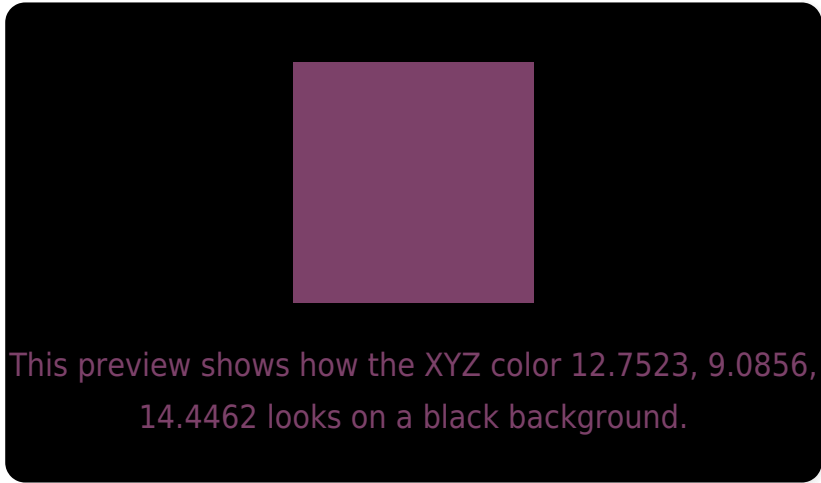
Large Text (above 18pt) WCAG AA ✓ Pass

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

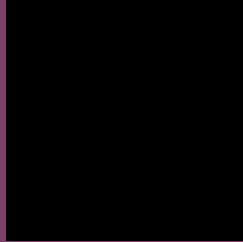
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7523, 9.0856, 14.4462

Background



This preview shows how black text looks on a background with the XYZ color 12.7523, 9.0856, 14.4462.



This preview shows how white text looks on a background with the XYZ color 12.7523, 9.0856,

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

12.7523, 9.0856, 14.4462

Protanopia

9.4017, 9.1684, 18.7269

Deuteranopia

9.4063, 9.2784, 13.8655



Tritanopia

11.4429, 9.0932, 7.9895

Trichromacy



Original Color

12.7523, 9.0856, 14.4462

Protanomaly

10.2053, 8.8498, 17.0899

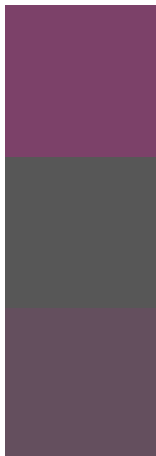
Deuteranomaly

10.3576, 8.9964, 14.0225

Tritanomaly

11.8745, 9.0819, 10.1440

Monochromacy



Original Color

12.7523, 9.0856, 14.4462

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.0719, 9.1094, 11.8171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7523, 9.0856, 14.4462 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(124, 65, 105)` looks like.

```
.text, #text, p{  
    color:rgb(124, 65, 105)  
}
```

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(124, 65, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 65, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.7523, 9.0856, 14.4462 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(124, 65, 105) }
```


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

```
.border{ border-color:rgb(124, 65, 105) }
```

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

Here you see how a box with a 4 pixel rgb(124, 65, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 65, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 65, 105);  
box-shadow:4px 4px 4px 4px rgb(124, 65,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7523, 9.0856, 14.4462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 65, 105) }
```

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

```
.background{ background-color: rgb(124, 65,  
105) }
```

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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