

Converting Colors

XYZ(12.4280, 9.5442, 22.4153)

Have a look what the booklet for
XYZ(12.4280, 9.5442, 22.4153)
contains.

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Color

**XYZ(12.4219, 9.5734,
22.3122)**

Conversions

Conversions Part 1

Format	Color
Hex	6A4A82
RGB	106, 74, 130
RGB Percent	42%, 29%, 51%
CMY	0.5843, 0.7098, 0.4902
CMYK	0.18, 0.43, 0.00, 0.49
HSL	274°, 27%, 40%
HSV	274°, 43%, 51%
XYZ	12.4219, 9.5734, 22.3122
YIQ	89.9520, 1.0960, 24.2000

Conversions

Conversions Part 2

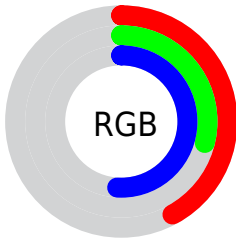
Format	Color
R_{YB}	106, 74, 130
Decimal	6965890
CIE _{Lab}	37.07, 25.01, -26.42
CIE _{LCh}	37, 36.378, 313.427
Yxy	9.5734, 0.2804, 0.2161
Android (android.graphics.Color)	4285155970 (0xFF6A4A82)
YUV	89.9520, 19.7437, 14.0741
Hunter-Lab	30.9409, 17.5161, -21.0967

Details

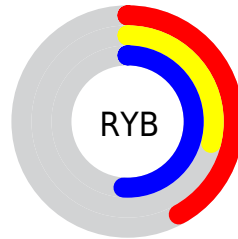
The XYZ color **12.4219, 9.5734, 22.3122** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **14.2558, 19.0565, 9.4058**, and the grayscale version is **9.6647, 10.1680, 11.0730**.

A 20% lighter version of the original color is **29.7308, 24.8539, 48.0300**, and **3.5747, 2.3278, 7.8503** is the 20% darker color. If you saturate the color by 10%, you get **11.0014, 7.6833, 22.0224**, and if you desaturate by 10%, it is **14.0655, 11.8452, 22.6642**.

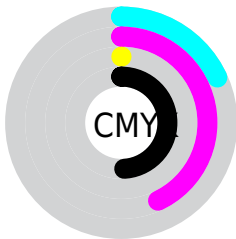
Distribution



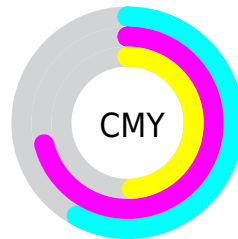
- Red (42%)
- Green (29%)
- Blue (51%)



- Red (42%)
- Yellow (29%)
- Blue (51%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)
- Black (49%)



- Cyan (58%)
- Magenta (71%)
- Yellow (49%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4219, 9.5734, 22.3122 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 12.4219, 9.5734, 22.3122 by changing the saturation by 10% instead.

■ 12.4219, 9.5734,
22.3122

■ 12.4219, 9.5734,
22.3122

200.8921,
187.5997, 277.1789

■ 7.1059, 5.1170,
13.8860

■ 29.8714, 24.9900,
48.1702

■ 3.5754, 2.3161,
7.9036

■ 42.7357, 36.7189,
66.4391

■ 1.4648, 0.7822,
3.9464

■ 58.8468, 51.6409,
88.8260

■ 0.3017, 0.0000,
1.5960

■ 78.5701, 70.1403,
115.7494

■ 0.0000, 0.0000,
0.2880

■ 102.2709, 92.6015,
147.6278

■ 0.0000, 0.0000,
0.0000

130.3146,

119.4088, 184.8799

163.0666,
150.9468, 227.9240

■ 12.4219, 9.5734,
22.3122

■ 12.4219, 9.5734,
22.3122

■ 11.0014, 7.6833,
22.0224

■ 14.0655, 11.8452,
22.6642

■ 9.7910, 6.1511,
21.7905

■ 15.9422, 14.5183,
23.0813

■ 8.7779, 4.9520,
21.6124

■ 18.0624, 17.6124,
23.5668

■ 7.9471, 4.0574,
21.4835

■ 20.4357, 21.1454,
24.1236

■ 7.2808, 3.4330,
21.3981

■ 23.0711, 25.1342,
24.7546

■ 6.8755, 3.0790,
21.3511

■ 25.9772, 29.5949,
25.4624

■ 29.1620, 34.5425,
26.2496

■ 32.6333, 39.9918,
27.1184

■ 36.3986, 45.9565,
28.0713

Harmonies

Analogous

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



10.1451, 9.5734, 27.7977



12.4219, 9.5734, 22.3122



13.9269, 9.5734, 14.3877

Triad

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



12.4219, 9.5734, 22.3122



10.3946, 9.5734, 2.4712



5.4960, 9.5734, 13.5858

Complementary

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



12.4219, 9.5734, 22.3122



14.2558, 19.0565, 9.4058

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.



5.5402, 9.5734, 7.2643



12.4219, 9.5734, 22.3122



8.1279, 9.5734, 2.4042

Square

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



12.4219, 9.5734, 22.3122



12.6304, 9.5734, 3.9998



6.4292, 9.5734, 3.7504



6.2964, 9.5734, 21.5202

Rectangle

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



12.4219, 9.5734, 22.3122



14.1574, 9.5734, 9.6980



6.4292, 9.5734, 3.7504



5.4171, 9.5734, 11.1849

Sweetspot

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



12.4222, 9.5738, 22.3124



31.7227, 30.8893, 41.4828



11.2463, 11.8532, 22.8144



7.0125, 6.7449, 9.3506



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.4222, 9.5738, 22.3124



19.3505, 13.5000, 38.7784



15.4380, 11.1569, 21.1690



4.3256, 4.3235, 5.4198



6.6004, 2.9563, 20.4727



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.8595, 10.5255, 12.8566



22.4261, 15.5255, 19.0447



12.1725, 17.9675, 9.9846



4.3983, 4.3725, 4.9020



9.5081, 4.8229, 3.9993



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4219, 9.5734, 22.3122 looks on a white background.

Color Contrast Check

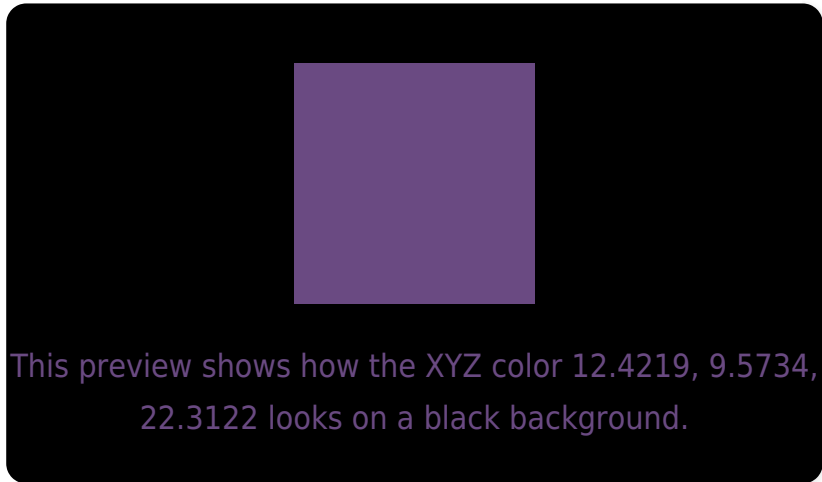
Large Text (above 18pt) WCAG AA ✓ Pass

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

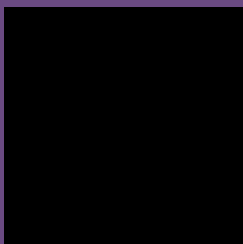
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4219, 9.5734, 22.3122

Background



This preview shows how black text looks on a background with the XYZ color 12.4219, 9.5734, 22.3122.



This preview shows how white text looks on a background with the XYZ color 12.4219, 9.5734,

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

12.4219, 9.5734, 22.3122

Protanopia

10.3762, 9.7423, 26.1445

Deuteranopia

9.8375, 9.6883, 21.4302



Tritanopia

10.0420, 9.5604, 10.7673

Trichromacy



Original Color

12.4219, 9.5734, 22.3122

Protanomaly

10.8546, 9.5615, 24.5660

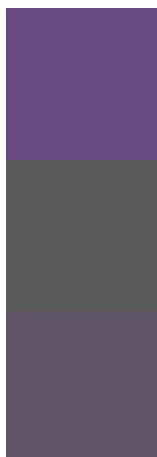
Deuteranomaly

10.5697, 9.4779, 21.6944

Tritanomaly

10.8468, 9.5616, 14.3706

Monochromacy



Original Color

12.4219, 9.5734, 22.3122

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.5440, 9.8474, 14.7096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4219, 9.5734, 22.3122 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(106, 74, 130)` looks like.

```
.text, #text, p{  
    color:rgb(106, 74, 130)  
}
```

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(106, 74, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 74, 130) }
```

Border

The CSS property to change the border of an element to XYZ 12.4219, 9.5734, 22.3122 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(106, 74, 130) }
```


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

```
.border{ border-color:rgb(106, 74, 130) }
```

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

Here you see how a box with a 4 pixel rgb(106, 74, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 74, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 74, 130);  
box-shadow:4px 4px 4px 4px rgb(106, 74,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4219, 9.5734, 22.3122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 74, 130) }
```

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

```
.background{ background-color: rgb(106, 74,  
130) }
```

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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