

Converting Colors

XYZ(12.6428, 9.2926, 40.1570)

Have a look what the booklet for
XYZ(12.6428, 9.2926, 40.1570)
contains.

XYZ(12.6428, 9.2926, 40.1570)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(12.6428, 9.2926,
40.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	494AAC
RGB	73, 74, 172
RGB Percent	29%, 29%, 67%
CMY	0.7137, 0.7098, 0.3255
CMYK	0.58, 0.57, 0.00, 0.33
HSL	239°, 40%, 48%
HSV	239°, 58%, 67%
XYZ	12.6428, 9.2926, 40.1570
YIQ	84.8730, -32.0540, 30.2660

Conversions

Conversions Part 2

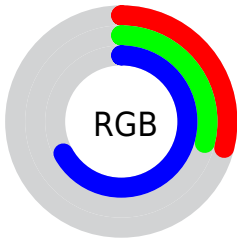
Format	Color
R _Y B	73, 74, 172
Decimal	4803244
CIE Lab	36.54, 28.76, -52.84
CIE LCh	37, 60.158, 298.561
Yxy	9.2926, 0.2036, 0.1497
Android (android.graphics.Color)	4282993324 (0xFF494AAC)
YUV	84.8730, 42.9536, -10.4126
Hunter-Lab	30.4838, 20.6843, -56.7655

Details

The XYZ color **12.6428, 9.2926, 40.1570** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **32.7797, 38.3791, 11.9843**, and the grayscale version is **8.5265, 8.9705, 9.7689**.

A 20% lighter version of the original color is **30.2925, 24.5132, 76.5337**, and **3.7940, 2.2605, 17.6891** is the 20% darker color. If you saturate the color by 10%, you get **10.5282, 6.7374, 39.7755**, and if you desaturate by 10%, it is **15.4262, 12.6494, 40.6584**.

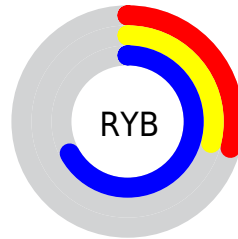
Distribution



Red (29%)

Green (29%)

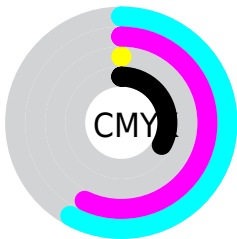
Blue (67%)



Red (29%)

Yellow (29%)

Blue (67%)

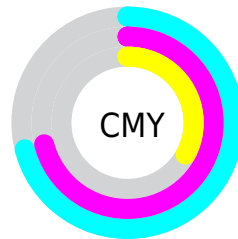


Cyan (58%)

Magenta (57%)

Yellow (0%)

Black (33%)



Cyan (71%)

Magenta (71%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6428, 9.2926, 40.1570 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 12.6428, 9.2926, 40.1570 by changing the saturation by 10% instead.

■ 12.6428, 9.2926,
40.1570

■ 12.6428, 9.2926,
40.1570

202.2998,
185.5459, 362.3566

■ 7.2583, 4.9325,
27.3463

■ 30.2674, 24.4562,
76.6422

■ 3.6719, 2.2077,
17.5987

■ 43.2382, 36.0284,
101.1538

■ 1.5183, 0.7242,
10.4958

■ 59.4685, 50.7736,
130.4027

■ 0.3382, 0.0000,
5.6190

■ 79.3236, 69.0760,
164.8075

■ 0.0000, 0.0000,
2.5498

■ 103.1690, 91.3200,
204.7868

■ 0.0000, 0.0000,
0.8664

131.3699,

■ 0.0000, 0.0000,

117.8901, 250.7590

0.0000

164.2917,
149.1706, 303.1428

■ 12.6428, 9.2926,
40.1570

■ 12.6428, 9.2926,
40.1570

■ 10.5282, 6.7374,
39.7755

■ 15.4262, 12.6494,
40.6584

■ 9.0252, 4.9162,
39.5032

■ 18.9269, 16.8661,
41.2879

■ 8.0691, 3.7521,
39.3288

■ 23.1902, 21.9967,
42.0535

■ 7.5630, 3.1336,
39.2362

■ 28.2574, 28.0904,
42.9626

■ 7.4652, 3.0162,
39.2186

■ 34.1668, 35.1928,
44.0220

■ 40.9544, 43.3469,
45.2382

■ 48.6539, 52.5929,
46.6170

■ 57.2972, 62.9691,
48.1643

■ 66.9150, 74.5118,
49.8853

Harmonies

Analogous

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



8.6567, 9.2926, 46.6076



12.6428, 9.2926, 40.1570



16.3013, 9.2926, 24.6945

Triad

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



12.6428, 9.2926, 40.1570



13.0357, 9.2926, 0.8163



3.4992, 9.2926, 9.6202

Complementary

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



12.6428, 9.2926, 40.1570



32.7797, 38.3791, 11.9843

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.



4.0853, 9.2926, 2.8254



12.6428, 9.2926, 40.1570



9.0103, 9.2926, 0.2002

Square

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



12.6428, 9.2926, 40.1570



16.5688, 9.2926, 3.2168



5.8766, 9.2926, 0.7107



3.9805, 9.2926, 23.1388

Rectangle

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



12.6428, 9.2926, 40.1570



17.6830, 9.2926, 14.6655



5.8766, 9.2926, 0.7107



3.5739, 9.2926, 6.6237

Sweetspot

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



12.6432, 9.2929, 40.1572



51.5130, 51.2606, 77.9850



24.7895, 33.8374, 43.4290



10.7839, 10.6459, 16.8742



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



12.6432, 9.2929, 40.1572



18.2644, 11.2116, 72.0072



17.6938, 11.7985, 40.3747



7.5851, 7.7697, 10.0526



5.5578, 2.2494, 29.1858



0.1567, 0.0667, 0.8126

Inverse Universe

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



20.6322, 14.0308, 8.0995



34.1688, 20.6938, 8.1753



24.2895, 34.2827, 11.6411



8.0084, 8.0166, 8.3551



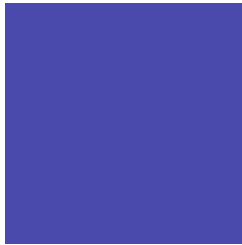
12.6689, 6.5301, 0.6362



0.3535, 0.1821, 0.0231

Previews

White Background



This preview shows how the XYZ color 12.6428, 9.2926, 40.1570 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



This preview shows how the XYZ color 12.6428, 9.2926, 40.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

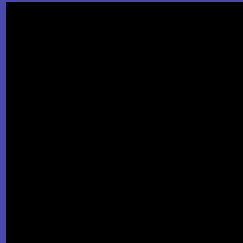
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6428, 9.2926, 40.1570

Background



This preview shows how black text looks on a background with the XYZ color 12.6428, 9.2926, 40.1570.

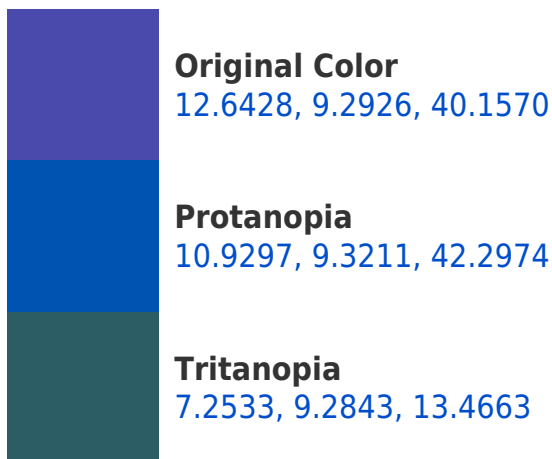


This preview shows how white text looks on a background with the XYZ color 12.6428, 9.2926,

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



Trichromacy



Original Color

12.6428, 9.2926, 40.1570

Protanomaly

11.0585, 9.0655, 41.7244

Tritanomaly

8.6692, 8.9742, 21.0139

Monochromacy



Original Color

12.6428, 9.2926, 40.1570

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.5467, 8.9185, 18.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6428, 9.2926, 40.1570 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(73, 74, 172)` looks like.

```
.text, #text, p{  
    color:rgb(73, 74, 172)  
}
```

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(73, 74, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 74, 172) }
```

Border

The CSS property to change the border of an element to XYZ 12.6428, 9.2926, 40.1570 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(73, 74, 172) }
```

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

```
.border{ border-color:rgb(73, 74, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 74, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 74, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 74, 172);  
box-shadow:4px 4px 4px 4px rgb(73, 74,  
172) }
```


Background

The CSS property to change the background color of an element to XYZ 12.6428, 9.2926, 40.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 74, 172) }
```

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

```
.background{ background-color: rgb(73, 74,  
172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor