

Converting Colors

XYZ(12.4214, 9.4414, 29.2499)

Have a look what the booklet for
XYZ(12.4214, 9.4414, 29.2499)
contains.

XYZ(12.4102, 9.4154, 29.1802)	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>	31

Color

**XYZ(12.4102, 9.4154,
29.1802)**

Conversions

Conversions Part 1

Format	Color
Hex	5E4A94
RGB	94, 74, 148
RGB Percent	37%, 29%, 58%
CMY	0.6314, 0.7098, 0.4196
CMYK	0.36, 0.50, 0.00, 0.42
HSL	256°, 33%, 44%
HSV	256°, 50%, 58%
XYZ	12.4102, 9.4154, 29.1802
YIQ	88.4160, -11.8340, 27.2540

Conversions

Conversions Part 2

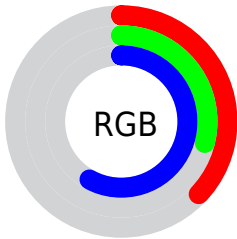
Format	Color
R_{YB}	94, 74, 148
Decimal	6179476
CIE _{Lab}	36.77, 26.19, -37.96
CIE _{LCh}	37, 46.119, 304.607
Yxy	9.4154, 0.2433, 0.1846
Android (android.graphics.Color)	4284369556 (0xFF5E4A94)
YUV	88.4160, 29.3749, 4.8972
Hunter-Lab	30.6845, 18.4955, -34.9041

Details

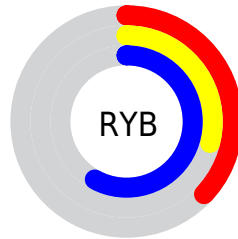
The XYZ color **12.4102, 9.4154, 29.1802** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **20.7281, 26.2635, 10.4558**, and the grayscale version is **9.3067, 9.7913, 10.6628**.

A 20% lighter version of the original color is **29.8951, 24.6808, 59.6881**, and **3.5933, 2.2554, 11.5552** is the 20% darker color. If you saturate the color by 10%, you get **10.5049, 7.1351, 28.8407**, and if you desaturate by 10%, it is **14.7037, 12.2412, 29.6049**.

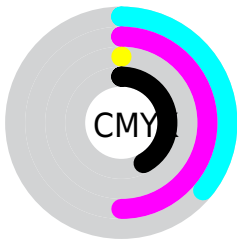
Distribution



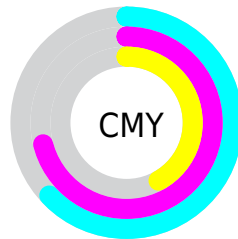
- Red (37%)
- Green (29%)
- Blue (58%)



- Red (37%)
- Yellow (29%)
- Blue (58%)



- Cyan (36%)
- Magenta (50%)
- Yellow (0%)
- Black (42%)



- Cyan (63%)
- Magenta (71%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4102, 9.4154, 29.1802 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 12.4102, 9.4154, 29.1802 by changing the saturation by 10% instead.

■ 12.4102, 9.4154,
29.1802

■ 12.4102, 9.4154,
29.1802

200.8173,
186.4472, 312.1517

■ 7.0979, 5.0131,
18.9704

■ 29.8504, 24.6900,
59.4089

■ 3.5703, 2.2550,
11.4723

■ 42.7091, 36.3310,
80.2648

■ 1.4620, 0.7497,
6.2673

■ 58.8138, 51.1538,
105.5066

■ 0.2998, 0.0000,
2.9369

■ 78.5301, 69.5427,
135.5528

■ 0.0000, 0.0000,
1.0625

■ 102.2232, 91.8821,
170.8218

■ 0.0000, 0.0000,
0.0000

130.2586,

118.5564, 211.7323

163.0015,
149.9500, 258.7028

■ 12.4102, 9.4154,
29.1802

■ 12.4102, 9.4154,
29.1802

■ 10.5049, 7.1351,
28.8407

■ 14.7037, 12.2412,
29.6049

■ 8.9637, 5.3628,
28.5798

■ 17.4053, 15.6446,
30.1195

■ 7.7614, 4.0580,
28.3913

■ 20.5348, 19.6561,
30.7288

■ 6.8687, 3.1729,
28.2675

■ 24.1101, 24.3040,
31.4375

■ 6.2206, 2.5894,
28.1891

■ 28.1485, 29.6146,
32.2497

6.2205, 2.5893,
28.1890

32.6661, 35.6129,
33.1694

37.6781, 42.3224,
34.2003

43.1992, 49.7657,
35.3460

49.2435, 57.9641,
36.6099

Harmonies

Analogous

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



9.3934, 9.4154, 34.9637



12.4102, 9.4154, 29.1802



14.8221, 9.4154, 18.4952

Triad

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



12.4102, 9.4154, 29.1802



11.4921, 9.4154, 1.6331



4.5460, 9.4154, 11.5556

Complementary

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



12.4102, 9.4154, 29.1802



20.7281, 26.2635, 10.4558

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.



4.8773, 9.4154, 4.9145



12.4102, 9.4154, 29.1802



8.5189, 9.4154, 1.2416

Square

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



12.4102, 9.4154, 29.1802



14.2185, 9.4154, 3.7022



6.1999, 9.4154, 2.0294



5.1749, 9.4154, 21.8990

Rectangle

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



12.4102, 9.4154, 29.1802



15.5358, 9.4154, 11.7879



6.1999, 9.4154, 2.0294



4.5501, 9.4154, 8.8553

Sweetspot

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



12.4106, 9.4157, 29.1804



39.0972, 38.3932, 54.7846



15.9236, 19.1022, 30.8650



8.6537, 8.4123, 12.4525



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.4106, 9.4157, 29.1804



18.1761, 12.1685, 50.8254



17.1131, 11.8400, 29.4005



5.6379, 5.7043, 7.2736



5.3366, 2.2237, 24.0790



0.0904, 0.0401, 0.2959

Inverse Universe

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



18.5579, 12.7522, 21.9052



30.5335, 18.8931, 35.4028



16.1669, 23.9121, 10.2423



5.9691, 5.8827, 6.9434



12.7553, 6.3072, 12.7243



0.1685, 0.0821, 0.2207

Previews

White Background



This preview shows how the XYZ color 12.4102, 9.4154, 29.1802 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 12.4102, 9.4154, 29.1802 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 12.4102, 9.4154, 29.1802

Background



This preview shows how black text looks on a background with the XYZ color 12.4102, 9.4154, 29.1802.



This preview shows how white text looks on a background with the XYZ color 12.4102, 9.4154,

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

12.4102, 9.4154, 29.1802

Protanopia

10.6573, 9.4874, 33.6173

Deuteranopia

9.6913, 9.4651, 28.1042



Tritanopia

8.9083, 9.4184, 11.9381

Trichromacy



Original Color

12.4102, 9.4154, 29.1802

Protanomaly

10.9482, 9.2287, 31.7761

Deuteranomaly

10.3200, 9.1999, 28.4260

Tritanomaly

9.8923, 9.2279, 17.1794

Monochromacy



Original Color

12.4102, 9.4154, 29.1802

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.1242, 9.4860, 16.0492

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4102, 9.4154, 29.1802 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(94, 74, 148)` looks like.

```
.text, #text, p{  
    color:rgb(94, 74, 148)  
}
```

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(94, 74, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 74, 148) }
```

Border

The CSS property to change the border of an element to XYZ 12.4102, 9.4154, 29.1802 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(94, 74, 148) }
```


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

```
.border{ border-color:rgb(94, 74, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 74, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 74, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 74, 148);  
box-shadow:4px 4px 4px 4px rgb(94, 74,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4102, 9.4154, 29.1802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 74, 148) }
```

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

```
.background{ background-color: rgb(94, 74,  
148) }
```

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