

Converting Colors

XYZ(14.2295, 12.2153, 41.1356)

Have a look what the booklet for
XYZ(14.2295, 12.2153, 41.1356)
contains.

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Color

**XYZ(14.2812, 12.3017,
41.1569)**

Conversions

Conversions Part 1

Format	Color
Hex	4A5DAD
RGB	74, 93, 173
RGB Percent	29%, 36%, 68%
CMY	0.7098, 0.6353, 0.3216
CMYK	0.57, 0.46, 0.00, 0.32
HSL	228°, 40%, 48%
HSV	228°, 57%, 68%
XYZ	14.2812, 12.3017, 41.1569
YIQ	96.4390, -37.0040, 20.8520

Conversions

Conversions Part 2

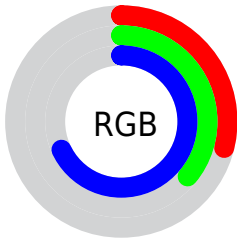
Format	Color
R_{YB}	74, 90, 173
Decimal	4873645
CIE _{Lab}	41.69, 17.14, -45.14
CIE _{LCh}	42, 48.285, 290.797
Yxy	12.3017, 0.2108, 0.1816
Android (android.graphics.Color)	4283063725 (0xFF4A5DAD)
YUV	96.4390, 37.7446, -19.6790
Hunter-Lab	35.0738, 11.3018, -45.0215

Details

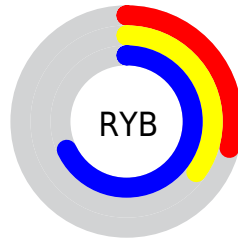
The XYZ color **14.2812, 12.3017, 41.1569** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **30.0261, 32.4912, 11.1682**, and the grayscale version is **11.1429, 11.7231, 12.7665**.

A 20% lighter version of the original color is **33.1712, 30.0479, 78.1803**, and **4.4471, 3.4700, 18.2047** is the 20% darker color. If you saturate the color by 10%, you get **12.0109, 9.4733, 40.7309**, and if you desaturate by 10%, it is **17.1431, 15.7683, 41.6755**.

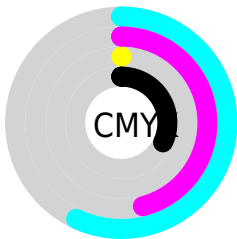
Distribution



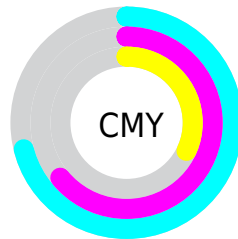
- Red (29%)
- Green (36%)
- Blue (68%)



- Red (29%)
- Yellow (35%)
- Blue (68%)



- Cyan (57%)
- Magenta (46%)
- Yellow (0%)
- Black (32%)



- Cyan (71%)
- Magenta (64%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2812, 12.3017, 41.1569 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 14.2812, 12.3017, 41.1569 by changing the saturation by 10% instead.

■ 14.2812, 12.3017,
41.1569

■ 14.2812, 12.3017,
41.1569

212.4490,
206.3925, 366.6720

■ 8.3995, 6.9495,
28.1211

■ 33.1693, 30.0434,
78.1783

■ 4.4056, 3.4305,
18.1771

■ 46.9063, 43.2017,
103.0009

■ 1.9340, 1.3604,
10.9065

■ 63.9926, 59.7308,
132.5896

■ 0.5965, 0.1873,
5.8906

■ 84.7934, 80.0152,
167.3628

■ 0.0000, 0.0000,
2.7110

■ 109.6741,
104.4391, 207.7391

■ 0.0000, 0.0000,
0.9489

139.0000,

■ 0.0000, 0.0000,

133.3870, 254.1370

0.0000

173.1365,
167.2434, 306.9751

■ 14.2812, 12.3017,
41.1569

■ 14.2812, 12.3017,
41.1569

■ 12.0109, 9.4733,
40.7309

■ 17.1431, 15.7683,
41.6755

■ 10.2876, 7.2417,
40.3910

■ 20.6337, 19.9088,
42.2907

■ 9.0625, 5.5619,
40.1313

■ 24.7889, 24.7573,
43.0075

■ 8.2671, 4.3763,
39.9444

■ 29.6412, 30.3454,
43.8304

■ 8.0922, 4.1159,
39.9033

■ 35.2211, 36.7027,
44.7634

■ 41.5572, 43.8571,
45.8104

■ 48.6766, 51.8351,
46.9751

■ 56.6050, 60.6622,
48.2610

■ 65.3669, 70.3624,
49.6715

Harmonies

Analogous

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



10.6365, 12.3017, 43.3501



14.2812, 12.3017, 41.1569



17.8043, 12.3017, 29.8939

Triad

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



14.2812, 12.3017, 41.1569



16.5475, 12.3017, 3.2519



6.1754, 12.3017, 10.5106

Complementary

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



14.2812, 12.3017, 41.1569



30.0261, 32.4912, 11.1682

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.



7.1688, 12.3017, 4.4611



14.2812, 12.3017, 41.1569



12.8159, 12.3017, 1.8923

Square

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



14.2812, 12.3017, 41.1569



19.2854, 12.3017, 7.5938



9.4370, 12.3017, 2.1826



6.4110, 12.3017, 21.5824

Rectangle

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



14.2812, 12.3017, 41.1569



19.3759, 12.3017, 20.8895



9.4370, 12.3017, 2.1826



6.3677, 12.3017, 7.9483

Sweetspot

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



14.2817, 12.3021, 41.1572



53.0166, 54.2677, 78.4862



23.5345, 33.6499, 35.4789



11.1375, 11.3531, 16.9920



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.



14.2817, 12.3021, 41.1572



20.4914, 15.6656, 72.7495



15.6665, 10.8406, 40.8021



7.6987, 7.9968, 10.0905



5.9775, 3.0889, 29.3257



0.2020, 0.1573, 0.8277

Inverse Universe

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



21.6586, 14.5728, 12.0275



35.2929, 21.1434, 14.0947



27.5598, 36.2484, 12.0234



8.0657, 8.0395, 8.6569



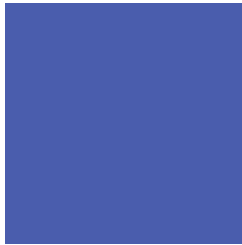
12.8808, 6.6149, 1.7519



0.3763, 0.1912, 0.1435

Previews

White Background



This preview shows how the XYZ color 14.2812, 12.3017, 41.1569 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 × Fail

Black Background



This preview shows how the XYZ color 14.2812, 12.3017, 41.1569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

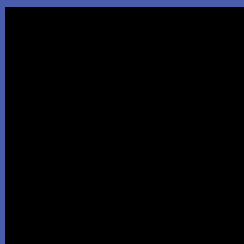
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.2812, 12.3017, 41.1569

Background



This preview shows how black text looks on a background with the XYZ color 14.2812, 12.3017, 41.1569.



This preview shows how white text looks on a background with the XYZ color 14.2812, 12.3017,

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

14.2812, 12.3017, 41.1569

Protanopia

13.6936, 12.2402, 42.1983

Deuteranopia

12.5755, 12.2573, 40.2312



Tritanopia

9.6138, 12.2497, 18.0774

Trichromacy



Original Color

14.2812, 12.3017, 41.1569

Protanomaly

13.8227, 12.1852, 41.6678

Deuteranomaly

13.0365, 12.2061, 40.6986

Tritanomaly

10.9012, 12.0147, 25.0371

Monochromacy



Original Color

14.2812, 12.3017, 41.1569

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.7548, 11.7144, 20.7103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2812, 12.3017, 41.1569 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(74, 93, 173)` looks like.

```
.text, #text, p{  
    color:rgb(74, 93, 173)  
}
```

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(74, 93, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 93, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.2812, 12.3017, 41.1569 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(74, 93, 173) }
```


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

```
.border{ border-color:rgb(74, 93, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 93, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 93, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 93, 173);  
box-shadow:4px 4px 4px 4px rgb(74, 93,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2812, 12.3017, 41.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 93, 173) }
```

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

```
.background{ background-color: rgb(74, 93,  
173) }
```

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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