

Converting Colors

XYZ(18.4460, 14.0076, 42.8065)

Have a look what the booklet for
XYZ(18.4460, 14.0076, 42.8065)
contains.

XYZ(18.4321, 14.0243, 42.8098)	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(18.4321, 14.0243,
42.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	725AB0
RGB	114, 90, 176
RGB Percent	45%, 35%, 69%
CMY	0.5529, 0.6471, 0.3098
CMYK	0.35, 0.49, 0.00, 0.31
HSL	257°, 35%, 52%
HSV	257°, 49%, 69%
XYZ	18.4321, 14.0243, 42.8098
YIQ	106.9800, -13.3020, 31.8340

Conversions

Conversions Part 2

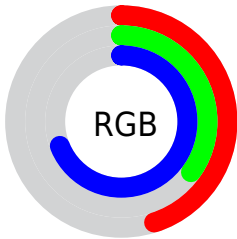
Format	Color
RYB	114, 90, 176
Decimal	7494320
CIELab	44.27, 29.64, -42.61
CIELCh	44, 51.902, 304.821
Yxy	14.0243, 0.2449, 0.1863
Android (android.graphics.Color)	4285684400 (0xFF725AB0)
YUV	106.9800, 34.0269, 6.1565
Hunter-Lab	37.4490, 22.3204, -41.5629

Details

The XYZ color **18.4321, 14.0243, 42.8098** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **30.3197, 38.4644, 15.4995**, and the grayscale version is **13.8814, 14.6043, 15.9041**.

A 20% lighter version of the original color is **40.2388, 33.2008, 80.6315**, and **6.3635, 4.1499, 19.2045** is the 20% darker color. If you saturate the color by 10%, you get **15.5821, 10.6063, 42.3005**, and if you desaturate by 10%, it is **21.8636, 18.2642, 43.4476**.

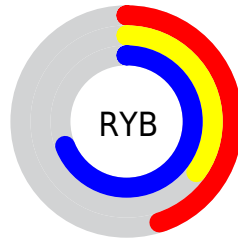
Distribution



Red (45%)

Green (35%)

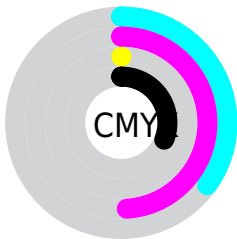
Blue (69%)



Red (45%)

Yellow (35%)

Blue (69%)

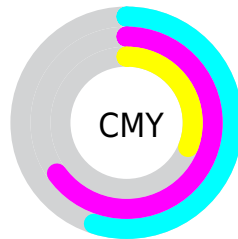


Cyan (35%)

Magenta (49%)

Yellow (0%)

Black (31%)



Cyan (55%)

Magenta (65%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4321, 14.0243, 42.8098 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 18.4321, 14.0243, 42.8098 by changing the saturation by 10% instead.

■ 18.4321, 14.0243,
42.8098

■ 18.4321, 14.0243,
42.8098

236.2942,
217.3819, 373.7272

■ 11.3622, 8.1376,
29.4056

■ 40.2966, 33.1321,
80.7070

■ 6.3801, 4.1831,
19.1397

■ 55.8219, 47.1220,
106.0372

■ 3.1204, 1.7765,
11.5934

■ 74.8964, 64.5818,
136.1797

■ 1.2177, 0.4725,
6.3483

■ 97.8854, 85.8958,
171.5532

■ 0.1203, 0.0000,
2.9858

■ 125.1544,
111.4484, 212.5761

■ 0.0000, 0.0000,
1.0874

157.0686,

■ 0.0000, 0.0000,

141.6240, 259.6671

0.0000

193.9934,
176.8071, 313.2446

■ 18.4321, 14.0243,
42.8098

■ 18.4321, 14.0243,
42.8098

■ 15.5821, 10.6063,
42.3005

■ 21.8636, 18.2642,
43.4476

■ 13.2774, 7.9536,
41.9100

■ 25.9066, 23.3746,
44.2209

■ 11.4800, 6.0043,
41.6285

■ 30.5907, 29.4019,
45.1374

■ 10.1457, 4.6860,
41.4443

■ 35.9433, 36.3888,
46.2039

■ 9.2016, 3.8706,
41.3367

■ 41.9899, 44.3754,
47.4268

■ 9.1090, 3.7906,
41.3261

■ 48.7548, 53.3991,
48.8120

■ 56.2610, 63.4959,
50.3652

■ 64.5306, 74.6996,
52.0919

■ 73.5846, 87.0428,
53.9972

Harmonies

Analogous

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



14.0125, 14.0243, 51.3017



18.4321, 14.0243, 42.8098



21.9462, 14.0243, 27.2203

Triad

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



18.4321, 14.0243, 42.8098



17.0260, 14.0243, 2.5126



6.8482, 14.0243, 17.2749

Complementary

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



18.4321, 14.0243, 42.8098



30.3197, 38.4644, 15.4995

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.



7.3278, 14.0243, 7.4573



18.4321, 14.0243, 42.8098



12.6694, 14.0243, 1.9350

Square

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



18.4321, 14.0243, 42.8098



21.0233, 14.0243, 5.5766



9.2682, 14.0243, 3.1354



7.7877, 14.0243, 32.4165

Rectangle

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



18.4321, 14.0243, 42.8098



22.9749, 14.0243, 17.4301



9.2682, 14.0243, 3.1354



6.8510, 14.0243, 13.2963

Sweetspot

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



18.4327, 14.0248, 42.8101



58.8341, 57.6830, 82.5283



23.4554, 28.1129, 45.2647



12.3313, 11.9557, 17.8021



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.4327, 14.0248, 42.8101



27.7218, 18.6037, 76.6251



25.1904, 17.5085, 43.1264



8.2573, 8.3411, 10.6811



6.7335, 2.8071, 30.3239



0.2700, 0.1183, 0.9568

Inverse Universe

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



27.2283, 18.8097, 31.9008



45.9663, 28.5556, 52.7897



23.8098, 35.1085, 15.1949



8.7468, 8.6055, 10.1653



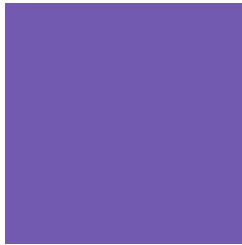
15.9676, 7.9046, 15.5215



0.5257, 0.2580, 0.6109

Previews

White Background



This preview shows how the XYZ color 18.4321, 14.0243, 42.8098 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 18.4321, 14.0243, 42.8098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

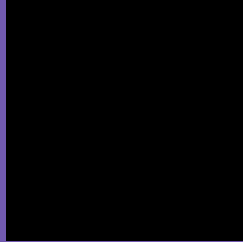
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4321, 14.0243, 42.8098

Background



This preview shows how black text looks on a background with the XYZ color 18.4321, 14.0243, 42.8098.



This preview shows how white text looks on a background with the XYZ color 18.4321, 14.0243,

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

18.4321, 14.0243, 42.8098

Protanopia

15.9428, 14.2236, 49.4821

Deuteranopia

14.5189, 14.1124, 41.4939



Tritanopia

13.3990, 14.0621, 17.6308

Trichromacy



Original Color

18.4321, 14.0243, 42.8098

Protanomaly

16.4991, 13.9899, 47.1781

Deuteranomaly

15.5054, 13.8758, 41.9055

Tritanomaly

14.9450, 13.9561, 25.1987

Monochromacy



Original Color

18.4321, 14.0243, 42.8098

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.2489, 14.2883, 23.7840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4321, 14.0243, 42.8098 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(114, 90, 176)` looks like.

```
.text, #text, p{  
  color:rgb(114, 90, 176)  
}
```

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(114, 90, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 90, 176) }
```

Border

The CSS property to change the border of an element to XYZ 18.4321, 14.0243, 42.8098 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(114, 90, 176) }
```


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

```
.border{ border-color:rgb(114, 90, 176) }
```

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

Here you see how a box with a 4 pixel rgb(114, 90, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 90, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 90, 176);  
box-shadow:4px 4px 4px 4px rgb(114, 90,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4321, 14.0243, 42.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 90, 176) }
```

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

```
.background{ background-color: rgb(114, 90,  
176) }
```

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