

Converting Colors

XYZ(14.0242, 14.7831, 44.3423)

Have a look what the booklet for
XYZ(14.0242, 14.7831, 44.3423)
contains.

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Color

**XYZ(13.9698, 14.7118,
44.2229)**

Conversions

Conversions Part 1

Format	Color
Hex	126FB2
RGB	18, 111, 178
RGB Percent	7%, 44%, 70%
CMY	0.9293, 0.5647, 0.3020
CMYK	0.90, 0.38, 0.00, 0.30
HSL	205°, 82%, 38%
HSV	205°, 90%, 70%
XYZ	13.9698, 14.7118, 44.2229
YIQ	90.8310, -76.9350, 1.1210

Conversions

Conversions Part 2

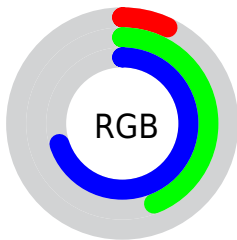
Format	Color
R _Y B	18, 77, 178
Decimal	1208242
CIE Lab	45.24, -0.08, -42.53
CIE LCh	45, 42.532, 269.887
Yxy	14.7118, 0.1916, 0.2018
Android (android.graphics.Color)	4279398322 (0xFF126FB2)
YUV	90.8310, 42.9743, -63.8728
Hunter-Lab	38.3560, -2.1106, -41.5098

Details

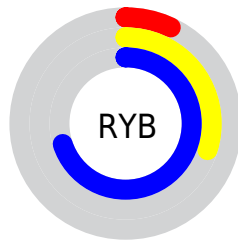
The XYZ color **13.9698, 14.7118, 44.2229** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.7201, 16.0097, 2.5188**, and the grayscale version is **9.8256, 10.3373, 11.2573**.

A 20% lighter version of the original color is **32.5955, 34.2680, 82.7383**, and **5.5351, 5.1475, 20.1039** is the 20% darker color. If you saturate the color by 10%, you get **12.9435, 13.0253, 43.9518**, and if you desaturate by 10%, it is **15.2896, 16.6508, 44.5279**.

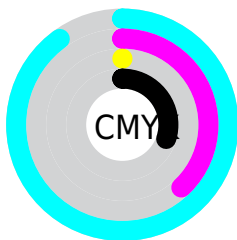
Distribution



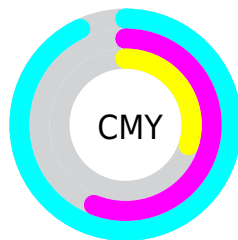
- Red (7%)
- Green (44%)
- Blue (70%)



- Red (7%)
- Yellow (30%)
- Blue (70%)



- Cyan (90%)
- Magenta (38%)
- Yellow (0%)
- Black (30%)



- Cyan (93%)
- Magenta (56%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9698, 14.7118, 44.2229 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 13.9698, 14.7118, 44.2229 by changing the saturation by 10% instead.

■ 13.9698, 14.7118,
44.2229

■ 13.9698, 14.7118,
44.2229

210.5572,
221.6151, 379.6850

■ 8.1812, 8.6174,
30.5073

■ 32.6221, 34.3468,
82.8591

■ 4.2639, 4.4925,
19.9687

■ 46.2166, 48.6561,
108.6168

■ 1.8525, 1.9527,
12.1884

■ 63.1438, 66.4726,
139.2256

■ 0.5490, 0.5798,
6.7480

■ 83.7690, 88.1805,
175.1040

■ 0.0000, 0.0000,
3.2290

■ 108.4576,
114.1644, 216.6706

■ 0.0000, 0.0000,
1.2127

■ 137.5749,

■ 0.0000, 0.0000,

144.8085, 264.3440

0.0000

171.4864,
180.4973, 318.5426

■ 13.9698, 14.7118,
44.2229

■ 13.9698, 14.7118,
44.2229

■ 12.9435, 13.0253,
43.9518

■ 15.2896, 16.6508,
44.5279

■ 12.9312, 13.0050,
43.9485

■ 16.9867, 18.8872,
44.8701

■ 19.1034, 21.4454,
45.2524

■ 21.6758, 24.3462,
45.6767

■ 24.7355, 27.6080,
46.1450

■ 28.3112, 31.2477,
46.6591

■ 32.4290, 35.2808,
47.2205

■ 37.1134, 39.7219,
47.8309

■ 42.3872, 44.5846,
48.4915

Harmonies

Analogous

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



10.8586, 14.7118, 39.2780



13.9698, 14.7118, 44.2229



17.6290, 14.7118, 39.3475

Triad

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



13.9698, 14.7118, 44.2229



20.7006, 14.7118, 8.1791



8.9131, 14.7118, 8.1369

Complementary

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



13.9698, 14.7118, 44.2229



21.7201, 16.0097, 2.5188

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.



10.8781, 14.7118, 4.4141



13.9698, 14.7118, 44.2229



17.6560, 14.7118, 4.4303

Square

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



13.9698, 14.7118, 44.2229



21.8903, 14.7118, 16.0569



13.9965, 14.7118, 3.4112



8.2543, 14.7118, 15.9805

Rectangle

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



13.9698, 14.7118, 44.2229



19.8159, 14.7118, 32.0088



13.9965, 14.7118, 3.4112



9.4245, 14.7118, 6.5031

Sweetspot

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



13.9704, 14.7123, 44.2233



53.0455, 58.3591, 84.8498



17.7975, 32.6207, 13.8866



11.2271, 12.4069, 18.7253



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



13.9704, 14.7123, 44.2233



23.2176, 23.1191, 79.6199



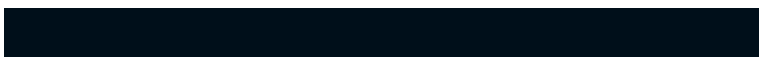
8.7852, 4.3419, 42.4949



8.4384, 9.0231, 10.8032



9.3156, 9.4316, 31.4665



0.3492, 0.4090, 1.0088

Inverse Universe

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



21.4463, 11.0462, 16.0409



37.6586, 18.9096, 24.5367



31.8652, 36.3000, 5.9005



8.6965, 8.5853, 9.9002



14.9367, 7.4923, 10.0928



0.4983, 0.2471, 0.4667

Previews

White Background



This preview shows how the XYZ color 13.9698, 14.7118, 44.2229 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 13.9698, 14.7118, 44.2229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

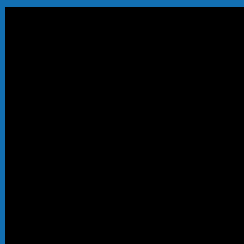
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

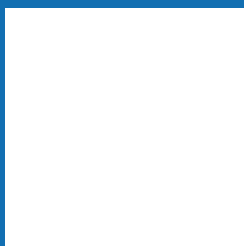
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9698, 14.7118, 44.2229

Background



This preview shows how black text looks on a background with the XYZ color 13.9698, 14.7118, 44.2229.



This preview shows how white text looks on a background with the XYZ color 13.9698, 14.7118,

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

13.9698, 14.7118, 44.2229

Protanopia

15.7050, 14.5847, 41.0171

Deuteranopia

15.0817, 14.6399, 44.6787



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

13.9698, 14.7118, 44.2229

Protanomaly

14.5850, 14.4412, 42.0631

Deuteranomaly

14.4955, 14.4934, 44.6813

Tritanomaly

11.5213, 14.6113, 29.4071

Monochromacy



Original Color

13.9698, 14.7118, 44.2229

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.0572, 11.2554, 20.3813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9698, 14.7118, 44.2229 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(18, 111, 178)` looks like.

```
.text, #text, p{  
    color:rgb(18, 111, 178)  
}
```

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(18, 111, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 111, 178) }
```

Border

The CSS property to change the border of an element to XYZ 13.9698, 14.7118, 44.2229 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(18, 111, 178) }
```


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

```
.border{ border-color:rgb(18, 111, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 111, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 111, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 111, 178);  
box-shadow:4px 4px 4px 4px rgb(18, 111,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9698, 14.7118, 44.2229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 111, 178) }
```

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

```
.background{ background-color: rgb(18, 111,  
178) }
```

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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