

# Converting Colors

XYZ(14.0028, 12.1065, 21.8487)

Have a look what the booklet for  
XYZ(14.0028, 12.1065, 21.8487)  
contains.

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# Color

**XYZ(14.0242, 12.0828,  
22.0151)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6F5980
RGB	111, 89, 128
RGB Percent	44%, 35%, 50%
CMY	0.5647, 0.6510, 0.4980
CMYK	0.13, 0.30, 0.00, 0.50
HSL	274°, 18%, 43%
HSV	274°, 30%, 50%
XYZ	14.0242, 12.0828, 22.0151
YIQ	100.0240, 0.5930, 16.7930

# Conversions

## Conversions Part 2

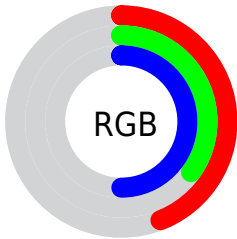
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 89, 128
Decimal	7297408
CIE <sub>Lab</sub>	41.35, 17.02, -18.51
CIE <sub>LCh</sub>	41, 25.149, 312.602
Yxy	12.0828, 0.2914, 0.2511
Android (android.graphics.Color)	4285487488 (0xFF6F5980)
YUV	100.0240, 13.7922, 9.6260
Hunter-Lab	34.7603, 11.1860, -13.2185

# Details

The XYZ color **14.0242, 12.0828, 22.0151** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.4666, 19.2241, 12.3472**, and the grayscale version is **12.0854, 12.7148, 13.8464**.

A 20% lighter version of the original color is **32.6774, 29.5880, 47.7048**, and **4.3251, 3.3490, 7.8156** is the 20% darker color. If you saturate the color by 10%, you get **12.3701, 9.7842, 21.6588**, and if you desaturate by 10%, it is **15.9082, 14.7755, 22.4357**.

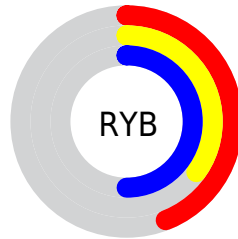
# Distribution



Red (44%)

Green (35%)

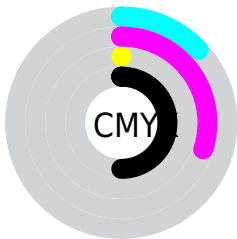
Blue (50%)



Red (44%)

Yellow (35%)

Blue (50%)

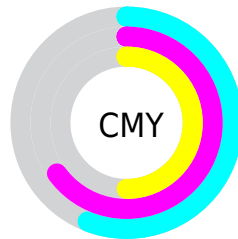


Cyan (13%)

Magenta (30%)

Yellow (0%)

Black (50%)



Cyan (56%)

Magenta (65%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0242, 12.0828, 22.0151 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 14.0242, 12.0828, 22.0151 by changing the saturation by 10% instead.



■ 14.0242, 12.0828,  
22.0151

■ 14.0242, 12.0828,  
22.0151

210.8889,  
204.9527, 275.5812

■ 8.2193, 6.8001,  
13.6696

■ 32.7179, 29.6458,  
47.6735

■ 4.2886, 3.3374,  
7.7551

■ 46.3374, 42.6949,  
65.8234

■ 1.8667, 1.3103,  
3.8531

■ 63.2924, 59.1016,  
88.0785

■ 0.5573, 0.1492,  
1.5451

■ 83.9484, 79.2503,  
114.8574

■ 0.0000, 0.0000,  
0.2512

■ 108.6707,  
103.5253, 146.5785

■ 0.0000, 0.0000,  
0.0000

137.8247,

132.3111, 183.6605

171.7756,  
165.9921, 226.5219

■ 14.0242, 12.0828,  
22.0151

■ 14.0242, 12.0828,  
22.0151

■ 12.3701, 9.7842,  
21.6588

■ 15.9082, 14.7755,  
22.4357

■ 10.9342, 7.8586,  
21.3628

■ 18.0306, 17.8789,  
22.9229

■ 9.7059, 6.2852,  
21.1238

■ 20.4008, 21.4106,  
23.4796

■ 8.6726, 5.0403,  
20.9380

■ 23.0275, 25.3866,  
24.1087

■ 7.8204, 4.0976,  
20.8010

■ 25.9187, 29.8222,  
24.8124

7.1332, 3.4260,  
20.7076

29.0822, 34.7319,  
25.5934

6.5841, 2.9441,  
20.6435

32.5254, 40.1294,  
26.4537

36.2555, 46.0280,  
27.3957

40.2793, 52.4406,  
28.4213

# Harmonies

## Analogous

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



12.2662, 12.0828, 25.5860



14.0242, 12.0828, 22.0151



15.1645, 12.0828, 16.3918

# Triad

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



14.0242, 12.0828, 22.0151



12.5646, 12.0828, 5.7136



8.3920, 12.0828, 15.4702

# Complementary

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



14.0242, 12.0828, 22.0151



15.4666, 19.2241, 12.3472

# 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.



8.4537, 12.0828, 10.3770



14.0242, 12.0828, 22.0151



10.7364, 12.0828, 5.5898

# Square

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



14.0242, 12.0828, 22.0151



14.2625, 12.0828, 7.4637



9.2713, 12.0828, 7.0639



9.0926, 12.0828, 21.1884



# Rectangle

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



14.0242, 12.0828, 22.0151



15.3539, 12.0828, 12.7056



9.2713, 12.0828, 7.0639



8.3265, 12.0828, 13.6172

# Sweetspot

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



14.0246, 12.0833, 22.0154



32.2469, 32.2196, 40.4757



13.2275, 14.1046, 22.4475



7.4330, 7.3707, 9.4493



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901



# Same Dimension

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



14.0246, 12.0833, 22.0154



22.5033, 18.2203, 38.2871



16.2439, 13.2421, 21.4556



4.3227, 4.3220, 5.4197



6.5301, 2.9201, 20.4694



0.0000, 0.0000, 0.0000



# Inverse Universe

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



15.0764, 12.7751, 15.3075



24.7738, 19.7088, 24.0265



13.7256, 18.3170, 12.6989



4.3996, 4.3730, 4.9085



9.5306, 4.8319, 4.1178



0.0000, 0.0000, 0.0000



# Previews

## White Background



This preview shows how the XYZ color 14.0242, 12.0828, 22.0151 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 14.0242, 12.0828, 22.0151 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 14.0242, 12.0828, 22.0151**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.0242, 12.0828, 22.0151.



This preview shows how white text looks on a background with the XYZ color 14.0242, 12.0828,



# 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

14.0242, 12.0828, 22.0151

### Protanopia

12.4164, 12.1132, 24.2379

### Deuteranopia

12.4273, 12.1734, 21.7734



## Tritanopia

12.4644, 12.0905, 14.2471

# Trichromacy



## Original Color

14.0242, 12.0828, 22.0151

## Protanomaly

12.9031, 11.9814, 23.4624

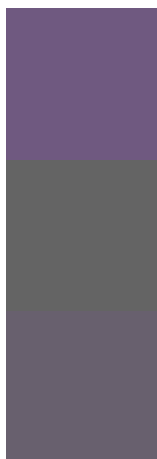
## Deuteranomaly

12.8907, 12.0137, 21.7181

## Tritanomaly

12.8807, 11.9901, 16.6744

# Monochromacy



## Original Color

14.0242, 12.0828, 22.0151

## Achromatopsia

12.1130, 12.7438, 13.8780

## Achromatomaly

12.7063, 12.4346, 16.4823

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.0242, 12.0828, 22.0151 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(111, 89, 128)` looks like.

```
.text, #text, p{  
    color:rgb(111, 89, 128)  
}
```

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(111, 89, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 89, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 14.0242, 12.0828, 22.0151 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(111, 89, 128) }
```



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

```
.border{ border-color:rgb(111, 89, 128) }
```

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

Here you see how a box with a 4 pixel rgb(111, 89, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 89, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 89, 128);  
box-shadow:4px 4px 4px 4px rgb(111, 89,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 14.0242, 12.0828, 22.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 89, 128) }
```

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

```
.background{ background-color: rgb(111, 89,  
128) }
```

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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