

Converting Colors

XYZ(14.2050, 12.0976, 19.9987)

Have a look what the booklet for
XYZ(14.2050, 12.0976, 19.9987)
contains.

XYZ(14.2050, 12.0976, 19.9987)	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(14.2050, 12.0976,
19.9987)**

Conversions

Conversions Part 1

Format	Color
Hex	74587A
RGB	116, 88, 122
RGB Percent	45%, 35%, 48%
CMY	0.5451, 0.6549, 0.5216
CMYK	0.05, 0.28, 0.00, 0.52
HSL	289°, 16%, 41%
HSV	289°, 28%, 48%
XYZ	14.2050, 12.0976, 19.9987
YIQ	100.2480, 5.7740, 16.5100

Conversions

Conversions Part 2

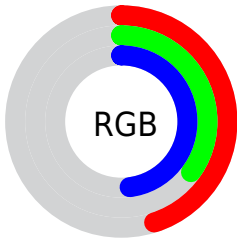
Format	Color
R _Y B	116, 88, 122
Decimal	7624826
CIE Lab	41.37, 18.05, -14.77
CIE LCh	41, 23.326, 320.708
Yxy	12.0976, 0.3068, 0.2613
Android (android.graphics.Color)	4285814906 (0xFF74587A)
YUV	100.2480, 10.7237, 13.8145
Hunter-Lab	34.7816, 12.0326, -9.7434

Details

The XYZ color **14.2050, 12.0976, 19.9987** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **13.3375, 17.0036, 11.8122**, and the grayscale version is **12.1492, 12.7819, 13.9195**.

A 20% lighter version of the original color is **32.8769, 29.5578, 44.0168**, and **4.3453, 3.3303, 6.7171** is the 20% darker color. If you saturate the color by 10%, you get **13.0034, 10.1141, 19.6794**, and if you desaturate by 10%, it is **15.5816, 14.4208, 20.3747**.

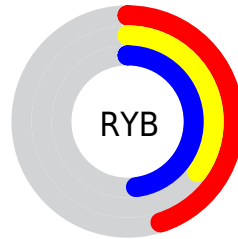
Distribution



Red (45%)

Green (35%)

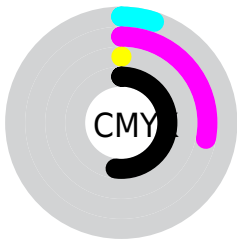
Blue (48%)



Red (45%)

Yellow (35%)

Blue (48%)

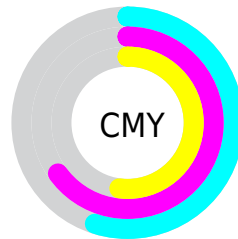


Cyan (5%)

Magenta (28%)

Yellow (0%)

Black (52%)



Cyan (55%)

Magenta (65%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2050, 12.0976, 19.9987 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 14.2050, 12.0976, 19.9987 by changing the saturation by 10% instead.

■ 14.2050, 12.0976,
19.9987

■ 14.2050, 12.0976,
19.9987

211.9876,
205.0504, 264.5121

■ 8.3460, 6.8102,
12.2100

■ 33.0356, 29.6727,
44.2739

■ 4.3708, 3.3437,
6.7626

■ 46.7379, 42.7293,
61.5976

■ 1.9140, 1.3137,
3.2379

■ 63.7854, 59.1442,
82.9367

■ 0.5849, 0.1518,
1.2174

■ 84.5434, 79.3021,
108.7097

■ 0.0000, 0.0000,
0.0000

■ 109.3772,
103.5873, 139.3352

138.6523,

132.3841, 175.2317

172.7340,
166.0770, 216.8179

■ 14.2050, 12.0976,
19.9987

■ 14.2050, 12.0976,
19.9987

■ 13.0034, 10.1141,
19.6794

■ 15.5816, 14.4208,
20.3747

■ 11.9672, 8.4520,
19.4132

■ 17.1400, 17.0977,
20.8093

■ 11.0879, 7.0938,
19.1973

■ 18.8876, 20.1433,
21.3051

■ 10.3553, 6.0195,
19.0286

■ 20.8316, 23.5714,
21.8643

■ 9.7583, 5.2067,
18.9032

■ 22.9784, 27.3951,
22.4892

■ 9.2839, 4.6297,
18.8168

■ 25.3342, 31.6267,
23.1818

■ 8.9000, 4.2243,
18.7588

■ 27.9051, 36.2782,
23.9441

■ 8.8206, 4.1414,
18.7470

■ 30.6967, 41.3609,
24.7781

■ 33.7146, 46.8858,
25.6854

Harmonies

Analogous

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



12.6878, 12.0976, 23.9532



14.2050, 12.0976, 19.9987



15.0178, 12.0976, 14.7349

Triad

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



14.2050, 12.0976, 19.9987



12.0318, 12.0976, 5.9499



8.7154, 12.0976, 16.7499

Complementary

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



14.2050, 12.0976, 19.9987



13.3375, 17.0036, 11.8122

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.



8.5769, 12.0976, 11.7242



14.2050, 12.0976, 19.9987



10.3858, 12.0976, 6.2369

Square

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



14.2050, 12.0976, 19.9987



13.6845, 12.0976, 7.1963



9.1595, 12.0976, 8.1083



9.5585, 12.0976, 21.7807

Rectangle

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



14.2050, 12.0976, 19.9987



15.0011, 12.0976, 11.5155



9.1595, 12.0976, 8.1083



8.5884, 12.0976, 14.9808

Sweetspot

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



14.2054, 12.0981, 19.9990



30.0595, 29.9160, 36.5830



11.5614, 11.5274, 20.0282



6.7893, 6.6953, 8.3412



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.2054, 12.0981, 19.9990



23.7015, 19.1446, 34.8390



14.3982, 12.2704, 16.7163



4.0884, 4.0435, 5.0082



9.2804, 4.3570, 19.7371



43.6259, 20.4520, 94.1181

Inverse Universe

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



13.5366, 11.9257, 12.1788



22.3690, 18.8132, 18.7126



13.2255, 16.8905, 14.3096



4.0245, 4.0255, 4.3268



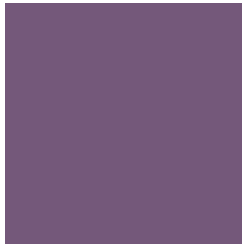
8.5955, 4.4143, 1.1607



40.7731, 20.9656, 4.3354

Previews

White Background



This preview shows how the XYZ color 14.2050, 12.0976, 19.9987 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 14.2050, 12.0976, 19.9987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

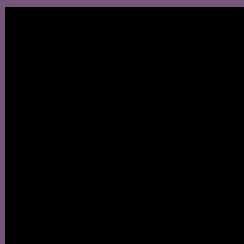
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.2050, 12.0976, 19.9987

Background



This preview shows how black text looks on a background with the XYZ color 14.2050, 12.0976, 19.9987.



This preview shows how white text looks on a background with the XYZ color 14.2050, 12.0976,

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

14.2050, 12.0976, 19.9987

Protanopia

12.2908, 12.2317, 22.1352

Deuteranopia

12.4579, 12.2330, 19.7938



Tritanopia

12.8893, 12.0659, 13.4540

Trichromacy



Original Color

14.2050, 12.0976, 19.9987

Protanomaly

12.9142, 12.1644, 21.4060

Deuteranomaly

12.9591, 12.0927, 19.7403

Tritanomaly

13.3344, 12.1211, 15.5467

Monochromacy



Original Color

14.2050, 12.0976, 19.9987

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.8335, 12.5126, 15.9261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2050, 12.0976, 19.9987 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(116, 88, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 88, 122)  
}
```

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(116, 88, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 88, 122) }
```

Border

The CSS property to change the border of an element to XYZ 14.2050, 12.0976, 19.9987 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(116, 88, 122) }
```


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

```
.border{ border-color:rgb(116, 88, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 88, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 88, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 88, 122);  
box-shadow:4px 4px 4px 4px rgb(116, 88,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2050, 12.0976, 19.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 88, 122) }
```

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

```
.background{ background-color: rgb(116, 88,  
122) }
```

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