

Converting Colors

XYZ(14.1417, 9.7440, 48.3708)

Have a look what the booklet for
XYZ(14.1417, 9.7440, 48.3708)
contains.

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Color

**XYZ(14.0998, 9.7694,
48.1563)**

Conversions

Conversions Part 1

Format	Color
Hex	4949BB
RGB	73, 73, 187
RGB Percent	29%, 29%, 73%
CMY	0.7137, 0.7137, 0.2667
CMYK	0.61, 0.61, 0.00, 0.27
HSL	240°, 46%, 51%
HSV	240°, 61%, 73%
XYZ	14.0998, 9.7694, 48.1563
YIQ	85.9960, -36.5940, 35.4540

Conversions

Conversions Part 2

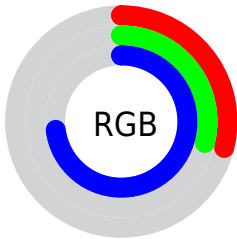
Format	Color
R _Y B	73, 73, 187
Decimal	4803003
CIE Lab	37.43, 34.40, -60.27
CIE LCh	37, 69.395, 299.719
Yxy	9.7694, 0.1958, 0.1356
Android (android.graphics.Color)	4282993083 (0xFF4949BB)
YUV	85.9960, 49.7950, -11.3975
Hunter-Lab	31.2560, 25.8244, -69.4691

Details

The XYZ color **14.0998, 9.7694, 48.1563** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **39.4654, 46.5861, 13.2153**, and the grayscale version is **8.7483, 9.2039, 10.0231**.

A 20% lighter version of the original color is **32.8044, 25.3563, 88.7532**, and **4.6730, 2.5722, 22.4405** is the 20% darker color. If you saturate the color by 10%, you get **11.8407, 7.0470, 47.7501**, and if you desaturate by 10%, it is **17.1551, 13.4505, 48.7060**.

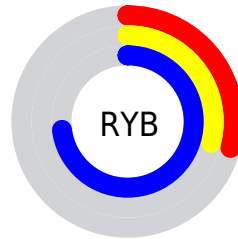
Distribution



Red (29%)

Green (29%)

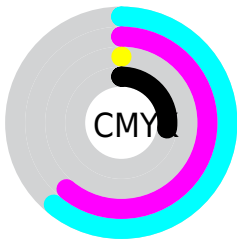
Blue (73%)



Red (29%)

Yellow (29%)

Blue (73%)

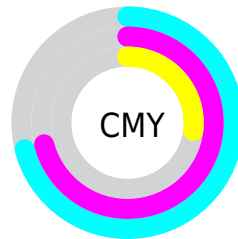


Cyan (61%)

Magenta (61%)

Yellow (0%)

Black (27%)



Cyan (71%)

Magenta (71%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0998, 9.7694, 48.1563 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 14.0998, 9.7694, 48.1563 by changing the saturation by 10% instead.

■ 14.0998, 9.7694,
48.1563

■ 14.0998, 9.7694,
48.1563

211.3490,
189.0182, 395.9379

■ 8.2723, 5.2463,
33.5898

■ 32.8508, 25.3609,
88.8050

■ 4.3229, 2.3925,
22.3039

■ 46.5050, 37.1980,
115.7244

■ 1.8864, 0.8220,
13.8799

■ 63.4987, 52.2420,
147.5984

■ 0.5689, 0.0000,
7.8994

■ 84.1975, 70.8773,
184.8457

■ 0.0000, 0.0000,
3.9438

■ 108.9665, 93.4881,
227.8847

■ 0.0000, 0.0000,
1.5946

138.1712,

■ 0.0000, 0.0000,

120.4589, 277.1341

0.2869

172.1769,
152.1742, 333.0123

■ 0.0000, 0.0000,
0.0000

■ 14.0998, 9.7694,
48.1563

■ 14.0998, 9.7694,
48.1563

■ 11.8407, 7.0470,
47.7501

■ 17.1551, 13.4505,
48.7060

■ 10.3024, 5.1936,
47.4735

■ 21.0697, 18.1673,
49.4101

■ 9.3981, 4.1040,
47.3108

■ 25.9021, 23.9900,
50.2794

■ 8.9698, 3.5879,
47.2338

■ 31.7053, 30.9826,
51.3232

■ 38.5283, 39.2039,
52.5505

■ 46.4167, 48.7090,
53.9694

■ 55.4133, 59.5496,
55.5876

■ 65.5588, 71.7744,
57.4125

■ 76.8916, 85.4299,
59.4510

Harmonies

Analogous

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



9.2444, 9.7694, 57.3382



14.0998, 9.7694, 48.1563



18.5849, 9.7694, 27.9480

Triad

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



14.0998, 9.7694, 48.1563



14.1941, 9.7694, 0.3215



3.1666, 9.7694, 10.5198

Complementary

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



14.0998, 9.7694, 48.1563



39.4654, 46.5861, 13.2153

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.



3.7591, 9.7694, 2.5366



14.0998, 9.7694, 48.1563



9.3267, 9.7694, 0.0000

Square

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



14.0998, 9.7694, 48.1563



18.6503, 9.7694, 2.6159



5.7147, 9.7694, 0.2978



3.7367, 9.7694, 27.5613

Rectangle

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



14.0998, 9.7694, 48.1563



20.2365, 9.7694, 15.5307



5.7147, 9.7694, 0.2978



3.2328, 9.7694, 6.8976

Sweetspot

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



14.1003, 9.7697, 48.1566



59.8660, 59.2034, 92.4735



29.4878, 40.5452, 53.2858



12.4412, 12.1431, 20.2307



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



14.1003, 9.7697, 48.1566



20.1859, 11.3914, 85.3363



20.5582, 13.0988, 48.4588



9.0166, 9.2254, 11.9777



6.1803, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Inverse Universe

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



31.8454, 18.9176, 48.9842



54.6810, 29.1744, 86.9444



28.1790, 40.7678, 12.6871



9.9300, 9.6963, 12.0203



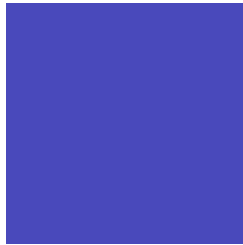
20.2998, 9.7511, 33.2020



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 14.0998, 9.7694, 48.1563 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 ✓ Pass

Black Background



This preview shows how the XYZ color 14.0998, 9.7694, 48.1563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

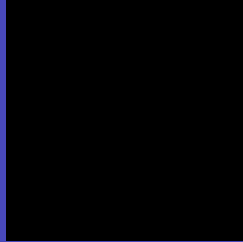
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0998, 9.7694, 48.1563

Background



This preview shows how black text looks on a background with the XYZ color 14.0998, 9.7694, 48.1563.



This preview shows how white text looks on a background with the XYZ color 14.0998, 9.7694,

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

14.0998, 9.7694, 48.1563

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.5726, 9.6789, 32.3740



Tritanopia

7.2772, 9.6723, 14.5801

Trichromacy



Original Color

14.0998, 9.7694, 48.1563

Protanomaly

11.8379, 9.4953, 45.4648

Deuteranomaly

10.5974, 9.3637, 37.8080

Tritanomaly

8.9651, 9.3050, 23.8778

Monochromacy



Original Color

14.0998, 9.7694, 48.1563

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.9109, 9.0643, 19.9661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0998, 9.7694, 48.1563 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(73, 73, 187)` looks like.

```
.text, #text, p{  
    color:rgb(73, 73, 187)  
}
```

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(73, 73, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 73, 187) }
```

Border

The CSS property to change the border of an element to XYZ 14.0998, 9.7694, 48.1563 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(73, 73, 187) }
```


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

```
.border{ border-color:rgb(73, 73, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 73, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 73, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 73, 187);  
box-shadow:4px 4px 4px 4px rgb(73, 73,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0998, 9.7694, 48.1563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 73, 187) }
```

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

```
.background{ background-color: rgb(73, 73,  
187) }
```

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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