

Converting Colors

XYZ(14.9108, 9.8150, 50.3993)

Have a look what the booklet for
XYZ(14.9108, 9.8150, 50.3993)
contains.

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Color

**XYZ(14.9024, 9.8474,
50.4055)**

Conversions

Conversions Part 1

Format	Color
Hex	5046BF
RGB	80, 70, 191
RGB Percent	31%, 27%, 75%
CMY	0.6863, 0.7255, 0.2510
CMYK	0.58, 0.63, 0.00, 0.25
HSL	245°, 49%, 51%
HSV	245°, 63%, 75%
XYZ	14.9024, 9.8474, 50.4055
YIQ	86.7840, -32.8810, 39.7510

Conversions

Conversions Part 2

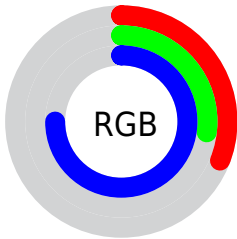
Format	Color
R_{YB}	80, 70, 191
Decimal	5260991
CIE _{Lab}	37.57, 38.72, -62.36
CIE _{LCh}	38, 73.403, 301.838
Yxy	9.8474, 0.1983, 0.1310
Android (android.graphics.Color)	4283451071 (0xFF5046BF)
YUV	86.7840, 51.3785, -5.9496
Hunter-Lab	31.3806, 29.8523, -73.2690

Details

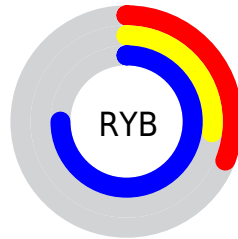
The XYZ color **14.9024, 9.8474, 50.4055** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **38.7913, 47.5271, 12.9235**, and the grayscale version is **8.9116, 9.3757, 10.2101**.

A 20% lighter version of the original color is **34.1876, 25.4599, 91.9193**, and **4.7916, 2.4728, 23.5173** is the 20% darker color. If you saturate the color by 10%, you get **12.6006, 7.1604, 50.0084**, and if you desaturate by 10%, it is **17.9708, 13.4935, 50.9478**.

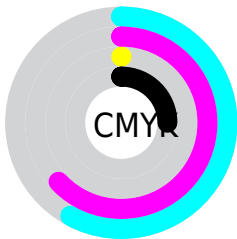
Distribution



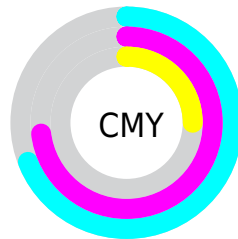
- Red (31%)
- Green (27%)
- Blue (75%)



- Red (31%)
- Yellow (27%)
- Blue (75%)



- Cyan (58%)
- Magenta (63%)
- Yellow (0%)
- Black (25%)



- Cyan (69%)
- Magenta (73%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9024, 9.8474, 50.4055 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 14.9024, 9.8474, 50.4055 by changing the saturation by 10% instead.

■ 14.9024, 9.8474,
50.4055

■ 14.9024, 9.8474,
50.4055

216.1748,
189.5794, 405.0300

■ 8.8368, 5.2979,
35.3623

■ 34.2549, 25.5081,
92.1779

■ 4.6911, 2.4231,
23.6563

■ 48.2726, 37.3880,
119.7441

■ 2.1001, 0.8377,
14.8690

■ 65.6716, 52.4803,
152.3217

■ 0.6893, 0.0000,
8.5819

■ 86.8173, 71.1692,
190.3293

■ 0.0000, 0.0000,
4.3764

■ 112.0752, 93.8392,
234.1854

■ 0.0000, 0.0000,
1.8340

141.8105,

■ 0.0000, 0.0000,

120.8746, 284.3085

0.4503

176.3886,
152.6599, 341.1172

■ 0.0000, 0.0000,
0.0000

■ 14.9024, 9.8474,
50.4055

■ 14.9024, 9.8474,
50.4055

■ 12.6006, 7.1604,
50.0084

■ 17.9708, 13.4935,
50.9478

■ 10.9958, 5.3410,
49.7418

■ 21.8641, 18.1771,
51.6466

■ 10.0079, 4.2809,
49.5893

■ 26.6370, 23.9695,
52.5131

■ 9.6142, 3.8700,
49.5307

■ 32.3387, 30.9355,
53.5572

■ 39.0149, 39.1347,
54.7879

■ 46.7084, 48.6230,
56.2138

■ 55.4592, 59.4526,
57.8429

■ 65.3054, 71.6728,
59.6827

■ 76.2831, 85.3305,
61.7403

Harmonies

Analogous

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



9.6489, 9.8474, 61.9460



14.9024, 9.8474, 50.4055



19.6412, 9.8474, 27.8800

Triad

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



14.9024, 9.8474, 50.4055



14.2365, 9.8474, 0.0040



2.9723, 9.8474, 11.5631

Complementary

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



14.9024, 9.8474, 50.4055



38.7913, 47.5271, 12.9235

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.



3.4895, 9.8474, 2.6163



14.9024, 9.8474, 50.4055



9.0763, 9.8474, 0.0000

Square

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



14.9024, 9.8474, 50.4055



19.1757, 9.8474, 2.1001



5.3963, 9.8474, 0.1686



3.6399, 9.8474, 30.6523

Rectangle

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



14.9024, 9.8474, 50.4055



21.2681, 9.8474, 14.7767



5.3963, 9.8474, 0.1686



3.0125, 9.8474, 7.4867

Sweetspot

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



14.9029, 9.8477, 50.4058



62.5464, 61.0808, 96.7723



28.8496, 38.9033, 55.2790



13.0013, 12.5133, 21.1154



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



14.9029, 9.8477, 50.4058



21.3198, 11.3947, 89.3548



22.1695, 13.5937, 50.7458



9.0877, 9.2621, 11.9810



6.3472, 2.5582, 32.5521



0.2738, 0.1132, 1.2763

Inverse Universe

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



32.0161, 18.7928, 45.6534



54.6020, 28.8185, 78.8840



27.8240, 41.8733, 12.4103



9.8950, 9.6823, 11.8361



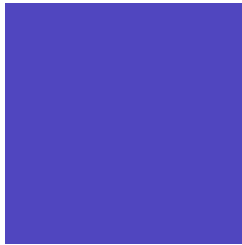
19.2331, 9.3244, 27.5851



0.7635, 0.3693, 1.1340

Previews

White Background



This preview shows how the XYZ color 14.9024, 9.8474, 50.4055 looks on a white background.

Color Contrast Check

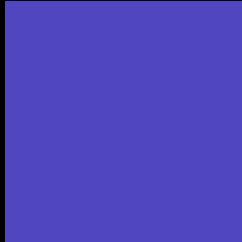
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9024, 9.8474, 50.4055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

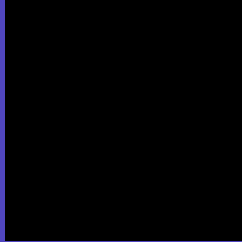
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9024, 9.8474, 50.4055

Background



This preview shows how black text looks on a background with the XYZ color 14.9024, 9.8474, 50.4055.



This preview shows how white text looks on a background with the XYZ color 14.9024, 9.8474,

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

14.9024, 9.8474, 50.4055

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.5726, 9.6789, 32.3740



Tritanopia

7.6698, 9.8805, 14.3348

Trichromacy



Original Color

14.9024, 9.8474, 50.4055

Protanomaly

12.0271, 9.4592, 46.5393

Deuteranomaly

10.6678, 9.2749, 38.2738

Tritanomaly

9.4687, 9.4355, 24.2439

Monochromacy



Original Color

14.9024, 9.8474, 50.4055

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.3003, 9.2503, 20.6446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9024, 9.8474, 50.4055 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(80, 70, 191)` looks like.

```
.text, #text, p{  
    color:rgb(80, 70, 191)  
}
```

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(80, 70, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 70, 191) }
```

Border

The CSS property to change the border of an element to XYZ 14.9024, 9.8474, 50.4055 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(80, 70, 191) }
```


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

```
.border{ border-color:rgb(80, 70, 191) }
```

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

Here you see how a box with a 4 pixel rgb(80, 70, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 70, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 70, 191);  
box-shadow:4px 4px 4px 4px rgb(80, 70,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9024, 9.8474, 50.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 70, 191) }
```

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

```
.background{ background-color: rgb(80, 70,  
191) }
```

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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