

Converting Colors

XYZ(14.4320, 9.5028, 50.9366)

Have a look what the booklet for
XYZ(14.4320, 9.5028, 50.9366)
contains.

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Color

**XYZ(14.4666, 9.5179,
50.9438)**

Conversions

Conversions Part 1

Format	Color
Hex	4A45C0
RGB	74, 69, 192
RGB Percent	29%, 27%, 75%
CMY	0.7098, 0.7294, 0.2471
CMYK	0.61, 0.64, 0.00, 0.25
HSL	242°, 49%, 51%
HSV	242°, 64%, 75%
XYZ	14.4666, 9.5179, 50.9438
YIQ	84.5170, -36.5030, 39.3130

Conversions

Conversions Part 2

Format	Color
R_{YB}	74, 69, 192
Decimal	4867520
CIE Lab	36.96, 38.67, -63.95
CIE LCh	37, 74.733, 301.162
Yxy	9.5179, 0.1931, 0.1270
Android (android.graphics.Color)	4283057600 (0xFF4A45C0)
YUV	84.5170, 52.9891, -9.2234
Hunter-Lab	30.8511, 29.7123, -76.3086

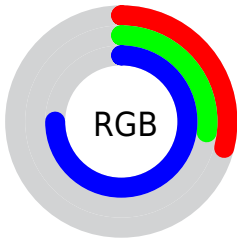
Details

The XYZ color **14.4666, 9.5179, 50.9438** is a dark color, and the websafe version is hex **333399**.

The color can be described as dark muted blue. A complement of this color would be **40.4160, 48.6932, 12.8988**, and the grayscale version is **8.4333, 8.8725, 9.6622**.

A 20% lighter version of the original color is **33.4088, 24.8648, 92.6611**, and **4.8630, 2.5014, 23.8934** is the 20% darker color. If you saturate the color by 10%, you get **12.2545, 6.8989, 50.5551**, and if you desaturate by 10%, it is **17.4768, 13.1154, 51.4798**.

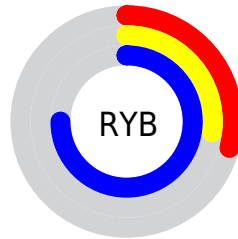
Distribution



Red (29%)

Green (27%)

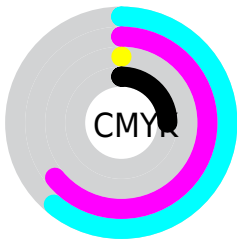
Blue (75%)



Red (29%)

Yellow (27%)

Blue (75%)

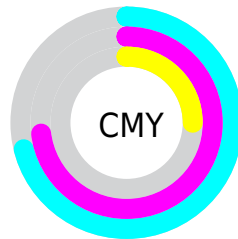


Cyan (61%)

Magenta (64%)

Yellow (0%)

Black (25%)



Cyan (71%)

Magenta (73%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4666, 9.5179, 50.9438 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 14.4666, 9.5179, 50.9438 by changing the saturation by 10% instead.

■ 14.4666, 9.5179,
50.9438

■ 14.4666, 9.5179,
50.9438

213.5676,
187.1958, 407.1857

■ 8.5298, 5.0805,
35.7875

■ 33.4941, 24.8847,
92.9823

■ 4.4904, 2.2946,
23.9817

■ 47.3154, 36.5829,
120.7016

■ 1.9831, 0.7708,
15.1080

■ 64.4957, 51.4701,
153.4457

■ 0.6245, 0.0000,
8.7477

■ 85.4001, 69.9308,
191.6330

■ 0.0000, 0.0000,
4.4824

■ 110.3942, 92.3493,
235.6821

■ 0.0000, 0.0000,
1.8936

139.8432,

■ 0.0000, 0.0000,

119.1100, 286.0115

0.4886

174.1126,
150.5974, 343.0399

■ 0.0000, 0.0000,
0.0000

■ 14.4666, 9.5179,
50.9438

■ 14.4666, 9.5179,
50.9438

■ 12.2545, 6.8989,
50.5551

■ 17.4768, 13.1154,
51.4798

■ 10.7631, 5.1614,
50.2984

■ 21.3498, 17.7742,
52.1749

■ 9.9025, 4.1904,
50.1563

■ 26.1454, 23.5692,
53.0407

■ 9.6123, 3.8562,
50.1071

■ 31.9176, 30.5682,
54.0874

■ 38.7164, 38.8339,
55.3245

■ 46.5881, 48.4245,
56.7608

■ 55.5764, 59.3946,
58.4045

■ 65.7226, 71.7958,
60.2634

■ 77.0656, 85.6770,
62.3449

Harmonies

Analogous

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



9.2279, 9.5179, 62.2953



14.4666, 9.5179, 50.9438



19.2743, 9.5179, 28.1181

Triad

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



14.4666, 9.5179, 50.9438



14.0440, 9.5179, 0.0000



2.7539, 9.5179, 10.8880

Complementary

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



14.4666, 9.5179, 50.9438



40.4160, 48.6932, 12.8988

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.



3.2823, 9.5179, 2.2978



14.4666, 9.5179, 50.9438



8.8675, 9.5179, 0.0000

Square

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



14.4666, 9.5179, 50.9438



18.9775, 9.5179, 1.9857



5.1839, 9.5179, 0.0000



3.3748, 9.5179, 29.8930

Rectangle

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



14.4666, 9.5179, 50.9438



20.9714, 9.5179, 14.7848



5.1839, 9.5179, 0.0000



2.8011, 9.5179, 6.9251

Sweetspot

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



14.4671, 9.5181, 50.9441



63.4569, 62.2209, 99.0256



29.9307, 40.9949, 56.2047



12.8711, 12.4462, 21.1093



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.



14.4671, 9.5181, 50.9441



20.9269, 11.0039, 91.3813



21.5701, 13.1799, 51.2765



9.5654, 9.7671, 12.6659



6.4840, 2.6031, 33.7173



0.2935, 0.1194, 1.4575

Inverse Universe

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



32.8355, 19.0504, 48.9570



56.9127, 29.6941, 86.7903



28.5872, 42.5952, 12.3452



10.4790, 10.2402, 12.6130



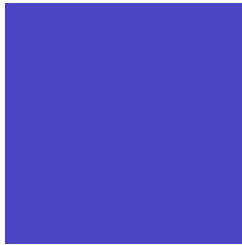
20.4695, 9.8776, 31.4483



0.8900, 0.4290, 1.3882

Previews

White Background



This preview shows how the XYZ color 14.4666, 9.5179, 50.9438 looks on a white background.

Color Contrast Check

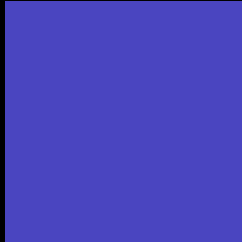
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4666, 9.5179, 50.9438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

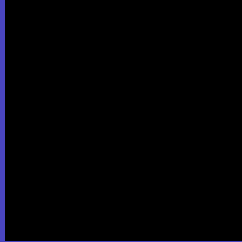
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4666, 9.5179, 50.9438

Background



This preview shows how black text looks on a background with the XYZ color 14.4666, 9.5179, 50.9438.



This preview shows how white text looks on a background with the XYZ color 14.4666, 9.5179,

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

14.4666, 9.5179, 50.9438

Protanopia

11.1061, 9.5150, 42.8462

Deuteranopia

9.2399, 9.4118, 31.0354



Tritanopia

7.0193, 9.4106, 14.2784

Trichromacy



Original Color

14.4666, 9.5179, 50.9438

Protanomaly

11.6915, 9.2024, 45.4160

Deuteranomaly

10.4443, 9.0576, 37.7570

Tritanomaly

8.7832, 8.9627, 24.1887

Monochromacy



Original Color

14.4666, 9.5179, 50.9438

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.8274, 8.7965, 20.2487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4666, 9.5179, 50.9438 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(74, 69, 192)` looks like.

```
.text, #text, p{  
    color:rgb(74, 69, 192)  
}
```

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(74, 69, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 69, 192) }
```

Border

The CSS property to change the border of an element to XYZ 14.4666, 9.5179, 50.9438 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(74, 69, 192) }
```


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

```
.border{ border-color:rgb(74, 69, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 69, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 69, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 69, 192);  
box-shadow:4px 4px 4px 4px rgb(74, 69,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4666, 9.5179, 50.9438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 69, 192) }
```

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

```
.background{ background-color: rgb(74, 69,  
192) }
```

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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