

Converting Colors

XYZ(14.6083, 9.9259, 39.1853)

Have a look what the booklet for
XYZ(14.6083, 9.9259, 39.1853)
contains.

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Color

**XYZ(14.5914, 9.9352,
39.1789)**

Conversions

Conversions Part 1

Format	Color
Hex	6346AA
RGB	99, 70, 170
RGB Percent	39%, 27%, 67%
CMY	0.6118, 0.7255, 0.3333
CMYK	0.42, 0.59, 0.00, 0.33
HSL	257°, 42%, 47%
HSV	257°, 59%, 67%
XYZ	14.5914, 9.9352, 39.1789
YIQ	90.0710, -14.8160, 37.2480

Conversions

Conversions Part 2

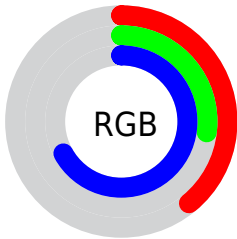
Format	Color
RYB	99, 70, 170
Decimal	6506154
CIELab	37.73, 36.15, -49.62
CIElCh	38, 61.392, 306.072
Yxy	9.9352, 0.2290, 0.1560
Android (android.graphics.Color)	4284696234 (0xFF6346AA)
YUV	90.0710, 39.4050, 7.8307
Hunter-Lab	31.5202, 27.4715, -51.6321

Details

The XYZ color **14.5914, 9.9352, 39.1789** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.4646, 34.8545, 11.1273**, and the grayscale version is **9.6513, 10.1539, 11.0576**.

A 20% lighter version of the original color is **33.6507, 25.5547, 75.1105**, and **4.5338, 2.4512, 17.0638** is the 20% darker color. If you saturate the color by 10%, you get **12.4531, 7.4716, 38.8163**, and if you desaturate by 10%, it is **17.2287, 13.1031, 39.6516**.

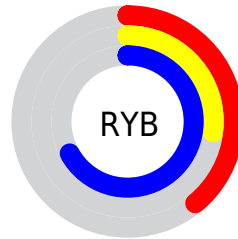
Distribution



Red (39%)

Green (27%)

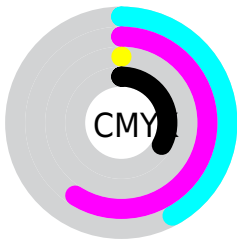
Blue (67%)



Red (39%)

Yellow (27%)

Blue (67%)

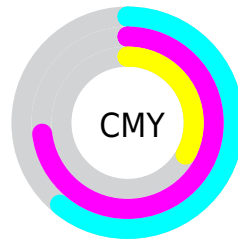


Cyan (42%)

Magenta (59%)

Yellow (0%)

Black (33%)



Cyan (61%)

Magenta (73%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5914, 9.9352, 39.1789 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 14.5914, 9.9352, 39.1789 by changing the saturation by 10% instead.

■ 14.5914, 9.9352,
39.1789

■ 14.5914, 9.9352,
39.1789

214.3173,
190.2090, 358.0991

■ 8.6176, 5.3560,
26.5900

■ 33.7123, 25.6735,
75.1349

■ 4.5477, 2.4576,
17.0359

■ 47.5902, 37.6015,
99.3391

■ 2.0164, 0.8553,
10.0978

■ 64.8333, 52.7478,
128.2521

■ 0.6432, 0.0000,
5.3574

■ 85.8073, 71.4969,
162.2926

■ 0.0000, 0.0000,
2.3961

■ 110.8773, 94.2332,
201.8790

■ 0.0000, 0.0000,
0.7843

140.4087,

■ 0.0000, 0.0000,

121.3410, 247.4298

0.0000

174.7670,
153.2048, 299.3637

■ 14.5914, 9.9352,
39.1789

■ 14.5914, 9.9352,
39.1789

■ 12.4531, 7.4716,
38.8163

■ 17.2287, 13.1031,
39.6516

■ 10.7776, 5.6544,
38.5538

■ 20.3949, 17.0246,
40.2416

■ 9.5254, 4.4180,
38.3812

■ 24.1190, 21.7458,
40.9566

■ 8.6288, 3.6424,
38.2787

■ 28.4276, 27.3087,
41.8033

■ 8.5371, 3.5628,
38.2682

■ 33.3451, 33.7523,
42.7878

■ 38.8950, 41.1131,
43.9161

■ 45.0990, 49.4256,
45.1936

■ 51.9781, 58.7225,
46.6255

■ 59.5523, 69.0347,
48.2168

Harmonies

Analogous

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



10.2601, 9.9352, 49.3983



14.5914, 9.9352, 39.1789



18.1058, 9.9352, 22.0964

Triad

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



14.5914, 9.9352, 39.1789



12.8284, 9.9352, 0.6242



3.7707, 9.9352, 13.2563

Complementary

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



14.5914, 9.9352, 39.1789



26.4646, 34.8545, 11.1273

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.



4.1074, 9.9352, 4.2290



14.5914, 9.9352, 39.1789



8.6707, 9.9352, 0.2794

Square

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



14.5914, 9.9352, 39.1789



16.9071, 9.9352, 2.4525



5.6754, 9.9352, 1.0828



4.5806, 9.9352, 29.0674

Rectangle

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



14.5914, 9.9352, 39.1789



19.0921, 9.9352, 12.3589



5.6754, 9.9352, 1.0828



3.7574, 9.9352, 9.4103

Sweetspot

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



14.5919, 9.9355, 39.1791



51.9953, 50.0909, 75.9299



19.4052, 23.4516, 41.5343



11.0715, 10.4901, 16.8289



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.5919, 9.9355, 39.1791



21.4498, 12.2869, 70.2430



21.7192, 13.6098, 39.5127



7.3286, 7.4020, 9.4608



6.3292, 2.6463, 28.1527



0.2039, 0.0901, 0.6873

Inverse Universe

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



23.5755, 14.8496, 26.8225



39.7838, 22.3520, 43.3791



19.8608, 31.4501, 10.8182



7.7478, 7.6290, 8.9890



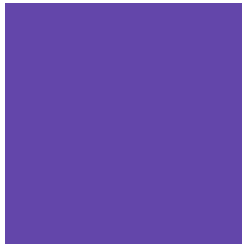
14.7448, 7.3066, 13.9994



0.3793, 0.1860, 0.4488

Previews

White Background



This preview shows how the XYZ color 14.5914, 9.9352, 39.1789 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 14.5914, 9.9352, 39.1789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

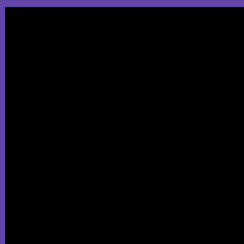
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5914, 9.9352, 39.1789

Background



This preview shows how black text looks on a background with the XYZ color 14.5914, 9.9352, 39.1789.



This preview shows how white text looks on a background with the XYZ color 14.5914, 9.9352,

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

14.5914, 9.9352, 39.1789

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

10.0862, 10.0202, 34.6602



Tritanopia

9.2935, 9.9692, 12.7437

Trichromacy



Original Color

14.5914, 9.9352, 39.1789

Protanomaly

11.6321, 9.3267, 43.3066

Deuteranomaly

10.5217, 9.2419, 36.3513

Tritanomaly

10.7558, 9.7165, 20.3774

Monochromacy



Original Color

14.5914, 9.9352, 39.1789

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.9372, 9.8456, 18.7767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5914, 9.9352, 39.1789 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(99, 70, 170)` looks like.

```
.text, #text, p{  
    color:rgb(99, 70, 170)  
}
```

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(99, 70, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 70, 170) }
```

Border

The CSS property to change the border of an element to XYZ 14.5914, 9.9352, 39.1789 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(99, 70, 170) }
```


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

```
.border{ border-color:rgb(99, 70, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 70, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 70, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 70, 170);  
box-shadow:4px 4px 4px 4px rgb(99, 70,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5914, 9.9352, 39.1789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 70, 170) }
```

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

```
.background{ background-color: rgb(99, 70,  
170) }
```

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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