

Converting Colors

XYZ(14.5739, 12.5909, 34.9199)

Have a look what the booklet for
XYZ(14.5739, 12.5909, 34.9199)
contains.

XYZ(14.5739, 12.5909, 34.9199)	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(14.5739, 12.5909,
34.9199)**

Conversions

Conversions Part 1

Format	Color
Hex	5B5DA0
RGB	91, 93, 160
RGB Percent	36%, 36%, 63%
CMY	0.6431, 0.6353, 0.3725
CMYK	0.43, 0.42, 0.00, 0.37
HSL	238°, 27%, 49%
HSV	238°, 43%, 63%
XYZ	14.5739, 12.5909, 34.9199
YIQ	100.0400, -22.6990, 20.4130

Conversions

Conversions Part 2

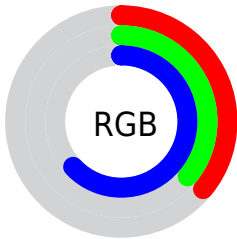
Format	Color
R_{YB}	91, 93, 160
Decimal	5987744
CIE _{Lab}	42.14, 17.01, -36.66
CIE _{LCh}	42, 40.413, 294.897
Yxy	12.5909, 0.2347, 0.2028
Android (android.graphics.Color)	4284177824 (0xFF5B5DA0)
YUV	100.0400, 29.5603, -7.9281
Hunter-Lab	35.4837, 11.2174, -33.5095

Details

The XYZ color **14.5739, 12.5909, 34.9199** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.6130, 32.6835, 14.6987**, and the grayscale version is **12.0549, 12.6827, 13.8114**.

A 20% lighter version of the original color is **33.5898, 30.4805, 68.4029**, and **4.5226, 3.5278, 14.6299** is the 20% darker color. If you saturate the color by 10%, you get **11.9336, 9.4071, 34.4448**, and if you desaturate by 10%, it is **17.8285, 16.5031, 35.5037**.

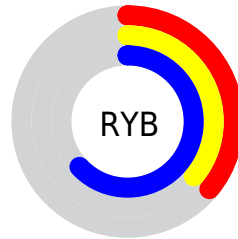
Distribution



Red (36%)

Green (36%)

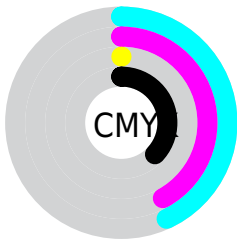
Blue (63%)



Red (36%)

Yellow (36%)

Blue (63%)

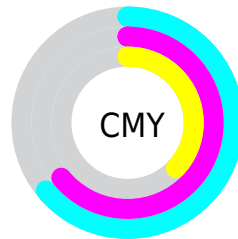


Cyan (43%)

Magenta (42%)

Yellow (0%)

Black (37%)



Cyan (64%)

Magenta (64%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5739, 12.5909, 34.9199 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 14.5739, 12.5909, 34.9199 by changing the saturation by 10% instead.

■ 14.5739, 12.5909,
34.9199

■ 14.5739, 12.5909,
34.9199

214.2124,
208.2789, 339.1081

■ 8.6053, 7.1474,
23.3181

■ 33.6817, 30.5668,
68.5118

■ 4.5396, 3.5545,
14.6211

■ 47.5517, 43.8681,
91.3391

■ 2.0117, 1.4276,
8.4102

■ 64.7860, 60.5574,
118.7452

■ 0.6405, 0.2369,
4.2670

■ 85.7502, 81.0192,
151.1487

■ 0.0000, 0.0000,
1.7730

110.8096,
105.6379, 188.9683

■ 0.0000, 0.0000,
0.4100

140.3295,

■ 0.0000, 0.0000,

134.7978, 232.6223

0.0000

174.6753,
168.8833, 282.5294

■ 14.5739, 12.5909,
34.9199

■ 14.5739, 12.5909,
34.9199

■ 11.9336, 9.4071,
34.4448

■ 17.8285, 16.5031,
35.5037

■ 9.8677, 6.9054,
34.0708

■ 21.7311, 21.1833,
36.2014

■ 8.3340, 5.0365,
33.7909

■ 26.3146, 26.6701,
37.0189

■ 7.2835, 3.7435,
33.5967

■ 31.6094, 32.9990,
37.9614

■ 6.6586, 2.9600,
33.4784

■ 37.6440, 40.2032,
39.0339

■ 6.3955, 2.6387,
33.4302

■ 44.4452, 48.3145,
40.2411

■ 52.0386, 57.3627,
41.5874

■ 60.4486, 67.3765,
43.0770

■ 69.6985, 78.3832,
44.7140

Harmonies

Analogous

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



11.4597, 12.5909, 37.7444



14.5739, 12.5909, 34.9199



17.3563, 12.5909, 25.6255

Triad

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



14.5739, 12.5909, 34.9199



15.6148, 12.5909, 4.1264



7.0773, 12.5909, 12.2869

Complementary

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



14.5739, 12.5909, 34.9199



28.6130, 32.6835, 14.6987

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.



7.8281, 12.5909, 6.2142



14.5739, 12.5909, 34.9199



12.4896, 12.5909, 2.9382

Square

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



14.5739, 12.5909, 34.9199



18.0245, 12.5909, 7.8466



9.6916, 12.5909, 3.4988



7.4464, 12.5909, 21.9417

Rectangle

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



14.5739, 12.5909, 34.9199



18.4724, 12.5909, 18.4992



9.6916, 12.5909, 3.4988



7.2027, 12.5909, 9.8271

Sweetspot

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



14.5744, 12.5914, 34.9202



47.6654, 48.2885, 67.1949



23.0314, 29.8245, 36.7557



10.0493, 10.1066, 14.6648



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.5744, 12.5914, 34.9202



21.7192, 17.1425, 62.5506



18.2839, 14.2466, 35.0442



6.2994, 6.4645, 8.3224



4.9877, 2.0669, 26.0433



0.0932, 0.0450, 0.4670

Inverse Universe

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



20.2145, 15.7467, 12.3303



33.3896, 23.7447, 15.7919



23.3317, 30.4710, 14.5500



6.6405, 6.6491, 6.9578



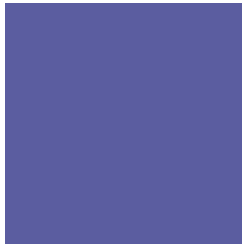
11.3158, 5.8309, 0.6478



0.2044, 0.1051, 0.0222

Previews

White Background



This preview shows how the XYZ color 14.5739, 12.5909, 34.9199 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 14.5739, 12.5909, 34.9199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

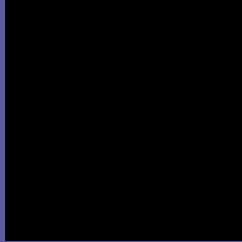
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5739, 12.5909, 34.9199

Background



This preview shows how black text looks on a background with the XYZ color 14.5739, 12.5909, 34.9199.

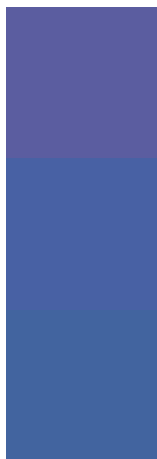


This preview shows how white text looks on a background with the XYZ color 14.5739, 12.5909,

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

14.5739, 12.5909, 34.9199

Protanopia

13.6480, 12.6074, 36.8361

Deuteranopia

13.0619, 12.7758, 34.5784



Tritanopia

10.9168, 12.4900, 17.1647

Trichromacy



Original Color

14.5739, 12.5909, 34.9199

Protanomaly

14.0182, 12.6724, 36.3575

Deuteranomaly

13.4344, 12.5484, 34.5149

Tritanomaly

11.9916, 12.3477, 22.5202

Monochromacy



Original Color

14.5739, 12.5909, 34.9199

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.7173, 12.4959, 20.1540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5739, 12.5909, 34.9199 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(91, 93, 160)` looks like.

```
.text, #text, p{  
    color:rgb(91, 93, 160)  
}
```

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(91, 93, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 93, 160) }
```

Border

The CSS property to change the border of an element to XYZ 14.5739, 12.5909, 34.9199 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(91, 93, 160) }
```


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

```
.border{ border-color:rgb(91, 93, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 93, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 93, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 93, 160);  
box-shadow:4px 4px 4px 4px rgb(91, 93,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5739, 12.5909, 34.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 93, 160) }
```

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

```
.background{ background-color: rgb(91, 93,  
160) }
```

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