

Converting Colors

XYZ(23.5741, 14.2916, 35.6985)

Have a look what the booklet for
XYZ(23.5741, 14.2916, 35.6985)
contains.

XYZ(23.5741, 14.2916, 35.6985)	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(23.5741, 14.2916,
35.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	A342A2
RGB	163, 66, 162
RGB Percent	64%, 26%, 64%
CMY	0.3608, 0.7412, 0.3647
CMYK	0.00, 0.60, 0.01, 0.36
HSL	301°, 42%, 45%
HSV	301°, 60%, 64%
XYZ	23.5741, 14.2916, 35.6985
YIQ	105.9470, 26.9960, 50.4200

Conversions

Conversions Part 2

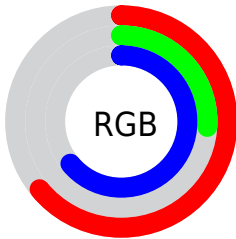
Format	Color
R_{YB}	163, 66, 162
Decimal	10699426
CIE _{Lab}	44.65, 52.73, -33.34
CIE _{LCh}	45, 62.391, 327.695
Yxy	14.2916, 0.3205, 0.1943
Android (android.graphics.Color)	4288889506 (0xFFA342A2)
YUV	105.9470, 27.6341, 50.0355
Hunter-Lab	37.8042, 45.1523, -29.5245

Details

The XYZ color **23.5741, 14.2916, 35.6985** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **16.3578, 27.7586, 9.8068**, and the grayscale version is **13.6073, 14.3159, 15.5900**.

A 20% lighter version of the original color is **48.7561, 33.6583, 69.5726**, and **8.9988, 4.3139, 15.1102** is the 20% darker color. If you saturate the color by 10%, you get **22.7392, 12.6453, 35.3466**, and if you desaturate by 10%, it is **24.6814, 16.4819, 36.1415**.

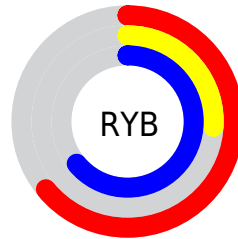
Distribution



Red (64%)

Green (26%)

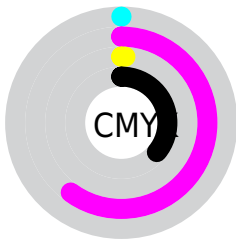
Blue (64%)



Red (64%)

Yellow (26%)

Blue (64%)

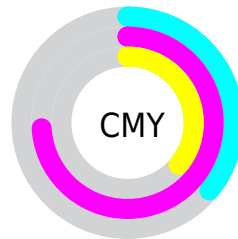


Cyan (0%)

Magenta (60%)

Yellow (1%)

Black (36%)



Cyan (36%)

Magenta (74%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5741, 14.2916, 35.6985 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 23.5741, 14.2916, 35.6985 by changing the saturation by 10% instead.


 23.5741, 14.2916,
35.6985


 23.5741, 14.2916,
35.6985


263.1408,
219.0374, 342.6383


 15.1410, 8.3238,
23.9136


 48.7940, 33.6055,
69.7303

 9.0054, 4.3028,
15.0579


 66.3116, 47.7204,
92.8142


 4.8018, 1.8443,
8.7130


 87.5881, 65.3198,
120.5015

 2.1650, 0.5146,
4.4602

 112.9887, 86.7880,
153.2108

 0.7242, 0.0000,
1.8810

 142.8790,
112.5095, 191.3606

 0.0000, 0.0000,
0.4806

177.6242,

 0.0000, 0.0000,

142.8686, 235.3694

0.0000

217.5896,
178.2498, 285.6558

■ 23.5741, 14.2916,
35.6985

■ 23.5741, 14.2916,
35.6985

■ 22.7392, 12.6453,
35.3466

■ 24.6814, 16.4819,
36.1415

■ 22.1514, 11.4936,
35.0771

■ 26.0806, 19.2562,
36.6818

■ 21.7834, 10.7815,
34.8809

■ 27.7910, 22.6530,
37.3260

■ 21.5752, 10.3889,
34.7380

■ 29.8300, 26.7070,
38.0798

■ 21.5658, 10.3712,
34.7313

■ 32.2136, 31.4502,
38.9485

■ 34.9568, 36.9126,
39.9373

■ 38.0738, 43.1224,
41.0507

■ 41.5779, 50.1064,
42.2932

■ 45.4818, 57.8899,
43.6691

Harmonies

Analogous

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



18.6240, 14.2916, 55.5488



23.5741, 14.2916, 35.6985



25.8036, 14.2916, 16.7084

Triad

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



23.5741, 14.2916, 35.6985



13.9786, 14.2916, 1.0247



6.6637, 14.2916, 32.4289

Complementary

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



23.5741, 14.2916, 35.6985



16.3578, 27.7586, 9.8068

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.



5.9989, 14.2916, 14.4676



23.5741, 14.2916, 35.6985



9.5463, 14.2916, 1.6331

Square

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



23.5741, 14.2916, 35.6985



19.4727, 14.2916, 1.8952



6.9100, 14.2916, 4.9173



9.0207, 14.2916, 52.9732

Rectangle

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



23.5741, 14.2916, 35.6985



25.1160, 14.2916, 8.5373



6.9100, 14.2916, 4.9173



6.2651, 14.2916, 25.6559

Sweetspot

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



23.5746, 14.2922, 35.6988



53.8905, 48.7608, 68.3684



10.8065, 7.6997, 35.5676



11.8563, 10.4597, 15.2645



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



23.5746, 14.2922, 35.6988



40.3849, 21.9812, 63.1520



20.1190, 12.9100, 17.5015



7.3612, 7.2009, 8.8883



16.7614, 8.0606, 26.9980



0.3531, 0.1697, 0.5722

Inverse Universe

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



23.5746, 14.2922, 35.6988



40.3849, 21.9812, 63.1520



18.4104, 28.5796, 20.6161



7.3612, 7.2009, 8.8883



16.7614, 8.0606, 26.9980



0.3531, 0.1697, 0.5722

Previews

White Background



This preview shows how the XYZ color 23.5741, 14.2916, 35.6985 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 23.5741, 14.2916, 35.6985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

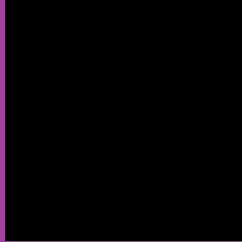
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.5741, 14.2916, 35.6985

Background



This preview shows how black text looks on a background with the XYZ color 23.5741, 14.2916, 35.6985.



This preview shows how white text looks on a background with the XYZ color 23.5741, 14.2916,

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

23.5741, 14.2916, 35.6985

Protanopia

16.6177, 14.6158, 54.1698

Deuteranopia

14.8057, 14.4481, 33.0188



Tritanopia

18.7771, 14.3968, 11.9144

Trichromacy



Original Color

23.5741, 14.2916, 35.6985

Protanomaly

17.2377, 13.3144, 47.0088

Deuteranomaly

16.8521, 13.5282, 34.0708

Tritanomaly

20.1074, 14.1454, 18.5002

Monochromacy



Original Color

23.5741, 14.2916, 35.6985

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

16.2594, 13.5006, 21.4876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5741, 14.2916, 35.6985 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(163, 66, 162)` looks like.

```
.text, #text, p{  
    color:rgb(163, 66, 162)  
}
```

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(163, 66, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 66, 162) }
```

Border

The CSS property to change the border of an element to XYZ 23.5741, 14.2916, 35.6985 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(163, 66, 162) }
```


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

```
.border{ border-color:rgb(163, 66, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 66, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 66, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 66, 162);  
box-shadow:4px 4px 4px 4px rgb(163, 66,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5741, 14.2916, 35.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 66, 162) }
```

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

```
.background{ background-color: rgb(163, 66,  
162) }
```

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