

Converting Colors

XYZ(14.2255, 9.6176, 36.7039)

Have a look what the booklet for
XYZ(14.2255, 9.6176, 36.7039)
contains.

XYZ(14.2255, 9.6176, 36.7039)	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(14.2255, 9.6176,
36.7039)**

Conversions

Conversions Part 1

Format	Color
Hex	6544A5
RGB	101, 68, 165
RGB Percent	40%, 27%, 65%
CMY	0.6039, 0.7333, 0.3529
CMYK	0.39, 0.59, 0.00, 0.35
HSL	260°, 42%, 46%
HSV	260°, 59%, 65%
XYZ	14.2255, 9.6176, 36.7039
YIQ	88.9250, -11.4690, 37.1630

Conversions

Conversions Part 2

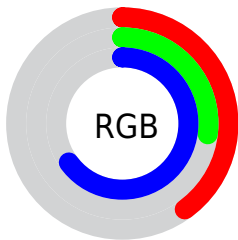
Format	Color
R _{YB}	101, 68, 165
Decimal	6636709
CIE Lab	37.15, 36.39, -47.56
CIE LCh	37, 59.881, 307.419
Yxy	9.6176, 0.2349, 0.1588
Android (android.graphics.Color)	4284826789 (0xFF6544A5)
YUV	88.9250, 37.5050, 10.5898
Hunter-Lab	31.0123, 27.6075, -48.4628

Details

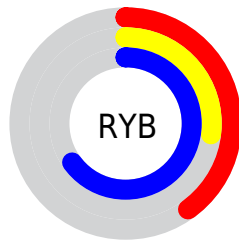
The XYZ color **14.2255, 9.6176, 36.7039** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **24.0142, 32.2332, 10.4251**, and the grayscale version is **9.4009, 9.8905, 10.7708**.

A 20% lighter version of the original color is **33.1227, 25.0110, 71.4885**, and **4.3838, 2.3480, 15.5514** is the 20% darker color. If you saturate the color by 10%, you get **12.2252, 7.3079, 36.3637**, and if you desaturate by 10%, it is **16.6690, 12.5729, 37.1457**.

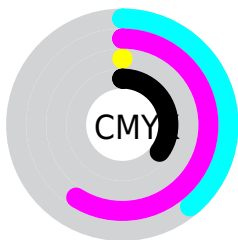
Distribution



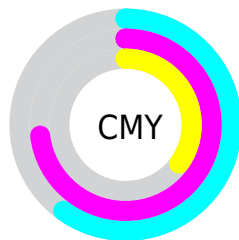
- Red (40%)
- Green (27%)
- Blue (65%)



- Red (40%)
- Yellow (27%)
- Blue (65%)



- Cyan (39%)
- Magenta (59%)
- Yellow (0%)
- Black (35%)



- Cyan (60%)
- Magenta (73%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2255, 9.6176, 36.7039 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 14.2255, 9.6176, 36.7039 by changing the saturation by 10% instead.

■ 14.2255, 9.6176,
36.7039

■ 14.2255, 9.6176,
36.7039

212.1118,
187.9206, 347.1568

■ 8.3604, 5.1462,
24.6843

■ 33.0715, 25.0737,
71.2984

■ 4.3802, 2.3333,
15.6252

■ 46.7832, 36.8272,
94.7104

■ 1.9194, 0.7912,
9.1078

■ 63.8411, 51.7768,
122.7569

■ 0.5881, 0.0000,
4.7138

■ 84.6107, 70.3069,
155.8565

■ 0.0000, 0.0000,
2.0246

■ 109.4571, 92.8020,
194.4278

■ 0.0000, 0.0000,
0.5703

138.7459,

■ 0.0000, 0.0000,

119.6463, 238.8892

0.0000

172.8424,
151.2244, 289.6594

■ 14.2255, 9.6176,
36.7039

■ 14.2255, 9.6176,
36.7039

■ 12.2252, 7.3079,
36.3637

■ 16.6690, 12.5729,
37.1457

■ 10.6363, 5.5909,
36.1160

■ 19.5817, 16.2187,
37.6959

■ 9.4240, 4.4070,
35.9514

■ 22.9892, 20.5970,
38.3614

■ 8.5268, 3.6434,
35.8513

■ 26.9145, 25.7461,
39.1484

■ 8.4301, 3.5613,
35.8406

■ 31.3793, 31.7015,
40.0626

■ 36.4039, 38.4965,
41.1093

■ 42.0075, 46.1625,
42.2937

■ 48.2084, 54.7293,
43.6204

■ 55.0241, 64.2253,
45.0941

Harmonies

Analogous

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



10.0984, 9.6176, 46.8721



14.2255, 9.6176, 36.7039



17.4862, 9.6176, 20.4991

Triad

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



14.2255, 9.6176, 36.7039



12.1794, 9.6176, 0.6122



3.7162, 9.6176, 13.3526

Complementary

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



14.2255, 9.6176, 36.7039



24.0142, 32.2332, 10.4251

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.



3.9913, 9.6176, 4.4013



14.2255, 9.6176, 36.7039



8.2466, 9.6176, 0.3263

Square

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



14.2255, 9.6176, 36.7039



16.0983, 9.6176, 2.2951



5.4407, 9.6176, 1.1653



4.5481, 9.6176, 28.5557

Rectangle

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



14.2255, 9.6176, 36.7039



18.3352, 9.6176, 11.4241



5.4407, 9.6176, 1.1653



3.6873, 9.6176, 9.5742

Sweetspot

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



14.2259, 9.6179, 36.7041



48.5460, 46.5649, 70.1816



17.5176, 20.6298, 38.6561



10.1629, 9.5852, 15.2520



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.



14.2259, 9.6179, 36.7041



20.8134, 11.8914, 64.9506



21.2229, 13.2250, 37.0316



6.9171, 6.9716, 8.8842



6.4264, 2.7194, 27.1160



0.1840, 0.0824, 0.5721

Inverse Universe

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



21.7491, 13.7997, 23.3468



36.0814, 20.4093, 36.4340



18.1699, 29.2204, 10.1515



7.2614, 7.1610, 8.3630



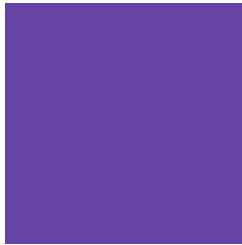
13.8455, 6.8942, 11.6429



0.3117, 0.1532, 0.3539

Previews

White Background



This preview shows how the XYZ color 14.2255, 9.6176, 36.7039 looks on a white background.

Color Contrast Check

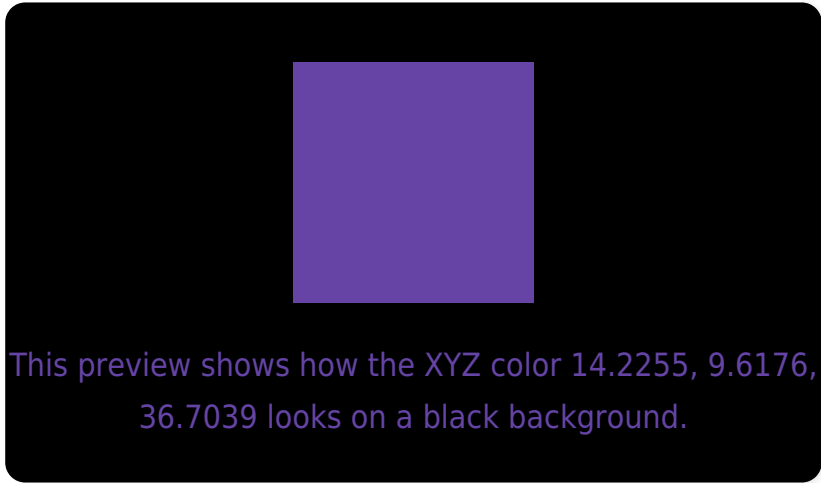
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

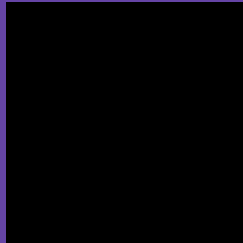
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.2255, 9.6176, 36.7039

Background



This preview shows how black text looks on a background with the XYZ color 14.2255, 9.6176, 36.7039.



This preview shows how white text looks on a background with the XYZ color 14.2255, 9.6176,

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

14.2255, 9.6176, 36.7039

Protanopia

11.4085, 9.6359, 44.4386

Deuteranopia

9.7439, 9.6134, 33.6898



Tritanopia

9.1749, 9.5558, 11.9506

Trichromacy



Original Color

14.2255, 9.6176, 36.7039

Protanomaly

11.2252, 8.9372, 41.6909

Deuteranomaly

10.1384, 8.8514, 34.8923

Tritanomaly

10.5732, 9.3175, 19.0105

Monochromacy



Original Color

14.2255, 9.6176, 36.7039

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.6675, 9.4964, 18.1004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2255, 9.6176, 36.7039 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(101, 68, 165)` looks like.

```
.text, #text, p{  
    color:rgb(101, 68, 165)  
}
```

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(101, 68, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 68, 165) }
```

Border

The CSS property to change the border of an element to XYZ 14.2255, 9.6176, 36.7039 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(101, 68, 165) }
```


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

```
.border{ border-color:rgb(101, 68, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 68, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 68, 165); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 68, 165); box-shadow:4px 4px 4px 4px rgb(101, 68, 165) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2255, 9.6176, 36.7039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 68, 165) }
```

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

```
.background{ background-color: rgb(101, 68,  
165) }
```

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