

Converting Colors

XYZ(14.2258, 6.4579, 40.2351)

Have a look what the booklet for
XYZ(14.2258, 6.4579, 40.2351)
contains.

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Color

**XYZ(14.2249, 6.4619,
40.0327)**

Conversions

Conversions Part 1

Format	Color
Hex	7000AD
RGB	112, 0, 173
RGB Percent	44%, 0%, 68%
CMY	0.5608, 1.0000, 0.3216
CMYK	0.35, 1.00, 0.00, 0.32
HSL	279°, 100%, 34%
HSV	279°, 100%, 68%
XYZ	14.2249, 6.4619, 40.0327
YIQ	53.2100, 11.2190, 77.5470

Conversions

Conversions Part 2

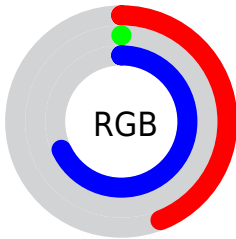
Format	Color
RYB	112, 0, 173
Decimal	7340205
CIELab	30.55, 64.82, -63.02
CIELCh	31, 90.408, 315.807
Yxy	6.4619, 0.2343, 0.1064
Android (android.graphics.Color)	4285530285 (0xFF7000AD)
YUV	53.2100, 59.0565, 51.5588
Hunter-Lab	25.4203, 55.4012, -75.5777

Details

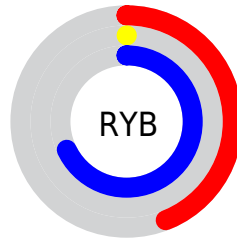
The XYZ color **14.2249, 6.4619, 40.0327** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **16.8681, 30.8794, 5.0714**, and the grayscale version is **3.3395, 3.5134, 3.8261**.

A 20% lighter version of the original color is **33.1779, 18.8939, 76.7611**, and **4.7980, 2.0888, 17.6031** is the 20% darker color. If you saturate the color by 10%, you get **14.2251, 6.4620, 40.0328**, and if you desaturate by 10%, it is **15.2331, 7.2862, 40.1388**.

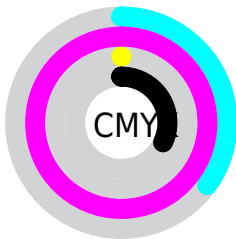
Distribution



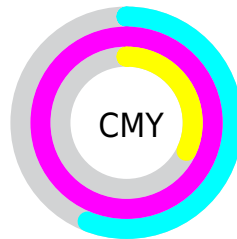
- Red (44%)
- Green (0%)
- Blue (68%)



- Red (44%)
- Yellow (0%)
- Blue (68%)



- Cyan (35%)
- Magenta (100%)
- Yellow (0%)
- Black (32%)





- Cyan (56%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.2249, 6.4619, 40.0327 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 14.2249, 6.4619, 40.0327 by changing the saturation by 10% instead.

 14.2249, 6.4619,
40.0327


 14.2249, 6.4619,
40.0327


212.1082,
163.1145, 361.8176


 8.3600, 3.1279,
27.2501


 33.0705, 18.8822,
76.4509

 4.3799, 1.1989,
17.5270


 46.7819, 28.7373,
100.9236


 1.9192, 0.0608,
10.4450


 63.8395, 41.5350,
130.1301

 0.5880, 0.0000,
5.5856

 84.6087, 57.6595,
164.4888

 0.0000, 0.0000,
2.5301

 109.4548, 77.4953,
204.4184


 0.0000, 0.0000,
0.8560


 138.7432,

 0.0000, 0.0000,


101.4269, 250.3373


0.0000

 172.8392,
129.8385, 302.6642


 14.2249, 6.4619,
40.0327


 14.2249, 6.4619,
40.0327


 14.2251, 6.4620,
40.0328

 15.2331, 7.2862,
40.1388

 16.4737, 8.4961,
40.3070

 18.0188, 10.2342,
40.5610

 19.9022, 12.5663,
40.9119

 22.1526, 15.5486,
41.3689

■ 24.7952, 19.2303,
41.9403

■ 27.8531, 23.6560,
42.6334

■ 31.3472, 28.8664,
43.4549

■ 35.2971, 34.8993,
44.4112

Harmonies

Analogous

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



8.6923, 6.4619, 63.6709



14.2249, 6.4619, 40.0327



18.2189, 6.4619, 14.6245

Triad

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



14.2249, 6.4619, 40.0327



8.4107, 6.4619, 0.0000



1.1163, 6.4619, 15.7035

Complementary

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



14.2249, 6.4619, 40.0327



16.8681, 30.8794, 5.0714

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.



1.0970, 6.4619, 2.6679



14.2249, 6.4619, 40.0327



4.1465, 6.4619, 0.0000

Square

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



14.2249, 6.4619, 40.0327



13.9374, 6.4619, 0.0000



1.9051, 6.4619, 0.0000



1.9819, 6.4619, 41.5609

Rectangle

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



14.2249, 6.4619, 40.0327



18.6576, 6.4619, 4.8940



1.9051, 6.4619, 0.0000



1.0315, 6.4619, 9.7262

Sweetspot

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



14.2253, 6.4621, 40.0329



49.5764, 41.9155, 76.2833



9.3446, 6.6206, 40.3207



10.2732, 8.3786, 16.4635



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.



14.2253, 6.4621, 40.0329



25.2350, 11.4486, 71.6855



22.7334, 11.0842, 29.7676



8.0589, 8.0047, 10.0730



10.5141, 4.7801, 29.4130



0.3488, 0.1620, 0.8209

Inverse Universe

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



18.0760, 9.2213, 5.2421



32.2803, 16.4776, 8.8996



15.0990, 29.9494, 5.7993



8.1175, 8.0603, 8.9296



13.3044, 6.7843, 3.9822



0.3965, 0.1993, 0.2499

Previews

White Background



This preview shows how the XYZ color 14.2249, 6.4619, 40.0327 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 14.2249, 6.4619, 40.0327

Background



This preview shows how black text looks on a background with the XYZ color 14.2249, 6.4619, 40.0327.



This preview shows how white text looks on a background with the XYZ color 14.2249, 6.4619,

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

14.2249, 6.4619, 40.0327

Protanopia

7.9849, 6.9017, 30.6171

Deuteranopia

6.7506, 6.9464, 22.4577



Tritanopia

7.7839, 6.9424, 7.2331

Trichromacy



Original Color

14.2249, 6.4619, 40.0327

Protanomaly

8.2366, 4.9635, 33.7816

Deuteranomaly

7.2011, 4.7434, 27.7302

Tritanomaly

8.8797, 5.5412, 15.0695

Monochromacy



Original Color

14.2249, 6.4619, 40.0327

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5537, 3.4630, 11.6850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2249, 6.4619, 40.0327 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(112, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(112, 0, 173)  
}
```

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(112, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 0, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.2249, 6.4619, 40.0327 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(112, 0, 173) }
```


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

```
.border{ border-color:rgb(112, 0, 173) }
```

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

Here you see how a box with a 4 pixel rgb(112, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(112, 0,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2249, 6.4619, 40.0327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 0, 173) }
```

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

```
.background{ background-color: rgb(112, 0,  
173) }
```

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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