

Converting Colors

XYZ(14.2831, 17.2127, 39.7621)

Have a look what the booklet for
XYZ(14.2831, 17.2127, 39.7621)
contains.

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Color

**XYZ(14.2755, 17.2425,
39.6215)**

Conversions

Conversions Part 1

Format	Color
Hex	007CA8
RGB	0, 124, 168
RGB Percent	0%, 49%, 66%
CMY	0.9999, 0.5137, 0.3412
CMYK	1.00, 0.26, 0.00, 0.34
HSL	196°, 100%, 33%
HSV	196°, 100%, 66%
XYZ	14.2755, 17.2425, 39.6215
YIQ	91.9400, -88.0280, -12.6040

Conversions

Conversions Part 2

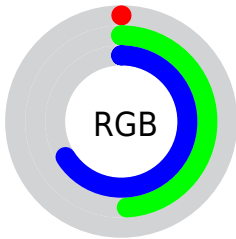
Format	Color
RYB	0, 71, 168
Decimal	31912
CIELab	48.56, -12.51, -31.47
CIELCh	49, 33.866, 248.313
Yxy	17.2425, 0.2007, 0.2424
Android (android.graphics.Color)	4278221992 (0xFF007CA8)
YUV	91.9400, 37.4976, -80.6314
Hunter-Lab	41.5241, -11.3009, -27.5065

Details

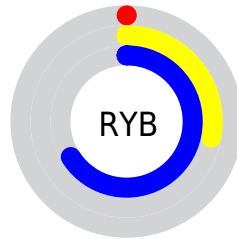
The XYZ color **14.2755, 17.2425, 39.6215** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.0503, 10.1280, 1.0570**, and the grayscale version is **10.0918, 10.6173, 11.5623**.

A 20% lighter version of the original color is **33.1612, 38.8958, 75.5719**, and **5.6685, 6.2931, 17.4389** is the 20% darker color. If you saturate the color by 10%, you get **14.2750, 17.2413, 39.6217**, and if you desaturate by 10%, it is **15.0677, 18.4882, 39.8206**.

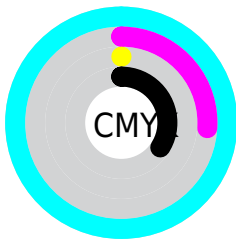
Distribution



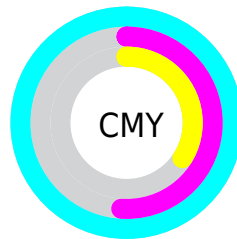
- Red (0%)
- Green (49%)
- Blue (66%)



- Red (0%)
- Yellow (28%)
- Blue (66%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (51%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2755, 17.2425, 39.6215 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 14.2755, 17.2425, 39.6215 by changing the saturation by 10% instead.

■ 14.2755, 17.2425,
39.6215

■ 14.2755, 17.2425,
39.6215

■ 212.4145,
236.5660, 360.0302

■ 8.3955, 10.4075,
26.9320

■ 33.1593, 38.7422,
75.8176

■ 4.4030, 5.6700,
17.2902

■ 46.8938, 54.1758,
100.1612

■ 1.9325, 2.6455,
10.2775

■ 63.9771, 73.2444,
129.2267

■ 0.5956, 0.9496,
5.4753

■ 84.7747, 96.3324,
163.4326

■ 0.0000, 0.0000,
2.4652

■ 109.6519,
123.8241, 203.1973

■ 0.0000, 0.0000,
0.8216

■ 138.9740,

■ 0.0000, 0.0000,

156.1040, 248.9394

0.0000

173.1065,
193.5565, 301.0776

■ 14.2755, 17.2425,
39.6215

■ 14.2755, 17.2425,
39.6215

■ 14.2750, 17.2413,
39.6217

■ 15.0677, 18.4882,
39.8206

■ 16.0759, 19.8820,
40.0364

■ 17.3790, 21.4653,
40.2734

■ 19.0123, 23.2567,
40.5331

■ 21.0059, 25.2723,
40.8170

■ 23.3862, 27.5259,
41.1266

■ 26.1773, 30.0305,
41.4629

■ 29.4009, 32.7977,
41.8271

■ 33.0774, 35.8383,
42.2202

Harmonies

Analogous

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



12.1280, 17.2425, 31.5267



14.2755, 17.2425, 39.6215



17.2689, 17.2425, 41.3452

Triad

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



14.2755, 17.2425, 39.6215



23.0501, 17.2425, 16.4041



12.9520, 17.2425, 8.2835

Complementary

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



14.2755, 17.2425, 39.6215



17.0503, 10.1280, 1.0570

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.



15.5385, 17.2425, 6.4111



14.2755, 17.2425, 39.6215



21.5455, 17.2425, 10.0288

Square

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



14.2755, 17.2425, 39.6215



22.6004, 17.2425, 25.8446



18.7003, 17.2425, 6.9290



11.4339, 17.2425, 13.1274

Rectangle

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



14.2755, 17.2425, 39.6215



19.3931, 17.2425, 38.2602



18.7003, 17.2425, 6.9290



13.7114, 17.2425, 7.3687

Sweetspot

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



14.2761, 17.2431, 39.6219



47.1954, 54.2250, 75.2041



14.4213, 28.1730, 6.8701



9.8253, 11.4094, 16.3365



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.2761, 17.2431, 39.6219



25.7210, 30.9208, 71.8378



7.8969, 4.4846, 37.4955



7.5788, 8.1945, 9.6006



10.8231, 13.1064, 29.9348



0.3015, 0.3952, 0.7410

Inverse Universe

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



19.7871, 9.7807, 19.9143



35.8127, 17.7102, 35.6470



23.6104, 23.2483, 3.2437



7.7567, 7.6326, 9.0362



14.9636, 7.3942, 15.1517



0.3833, 0.1876, 0.4701

Previews

White Background



This preview shows how the XYZ color 14.2755, 17.2425, 39.6215 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 14.2755, 17.2425, 39.6215 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 14.2755, 17.2425, 39.6215

Background



This preview shows how black text looks on a background with the XYZ color 14.2755, 17.2425, 39.6215.

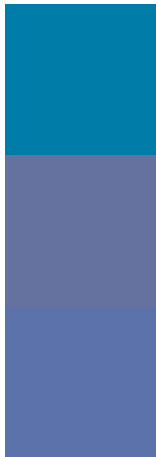


This preview shows how white text looks on a background with the XYZ color 14.2755, 17.2425,

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

14.2755, 17.2425, 39.6215

Protanopia

17.5300, 17.0802, 35.1738

Deuteranopia

17.5874, 17.1611, 40.4157



Tritanopia

12.3066, 17.2733, 26.7302

Trichromacy



Original Color

14.2755, 17.2425, 39.6215

Protanomaly

14.9972, 16.4212, 36.5616

Deuteranomaly

15.3848, 16.7210, 39.9527

Tritanomaly

13.0142, 17.3487, 31.0965

Monochromacy



Original Color

14.2755, 17.2425, 39.6215

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.1441, 12.1865, 19.5869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2755, 17.2425, 39.6215 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(0, 124, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 168)  
}
```

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(0, 124, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 168) }
```

Border

The CSS property to change the border of an element to XYZ 14.2755, 17.2425, 39.6215 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(0, 124, 168) }
```


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

```
.border{ border-color:rgb(0, 124, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2755, 17.2425, 39.6215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 168) }
```

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

```
.background{ background-color: rgb(0, 124,  
168) }
```

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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