

Converting Colors

XYZ(14.9598, 7.1160, 63.5384)

Have a look what the booklet for
XYZ(14.9598, 7.1160, 63.5384)
contains.

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Color

**XYZ(14.9380, 7.1208,
63.5379)**

Conversions

Conversions Part 1

Format	Color
Hex	4421D5
RGB	68, 33, 213
RGB Percent	27%, 13%, 84%
CMY	0.7333, 0.8706, 0.1647
CMYK	0.68, 0.85, 0.00, 0.16
HSL	252°, 73%, 48%
HSV	252°, 85%, 84%
XYZ	14.9380, 7.1208, 63.5379
YIQ	63.9850, -36.9200, 63.4000

Conversions

Conversions Part 2

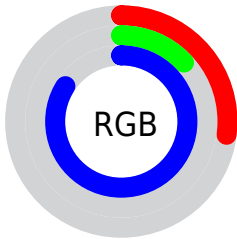
Format	Color
R _{YB}	68, 33, 213
Decimal	4465109
CIE Lab	32.08, 62.59, -84.23
CIE LCh	32, 104.939, 306.613
Yxy	7.1208, 0.1745, 0.0832
Android (android.graphics.Color)	4282655189 (0xFF4421D5)
YUV	63.9850, 73.4644, 3.5212
Hunter-Lab	26.6848, 53.2247, -122.4931

Details

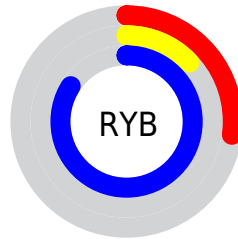
The XYZ color **14.9380, 7.1208, 63.5379** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **42.4262, 57.1621, 10.2359**, and the grayscale version is **4.7690, 5.0173, 5.4639**.

A 20% lighter version of the original color is **31.5311, 19.1098, 96.6344**, and **6.0858, 2.4343, 32.0474** is the 20% darker color. If you saturate the color by 10%, you get **13.4959, 5.7597, 63.3514**, and if you desaturate by 10%, it is **17.1047, 9.4092, 63.8657**.

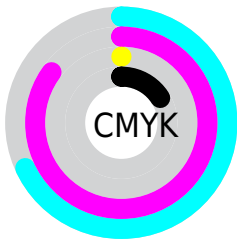
Distribution



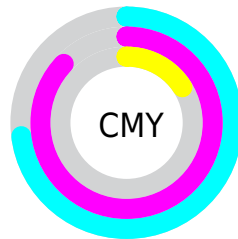
- Red (27%)
- Green (13%)
- Blue (84%)



- Red (27%)
- Yellow (13%)
- Blue (84%)



- Cyan (68%)
- Magenta (85%)
- Yellow (0%)
- Black (16%)



- Cyan (73%)
- Magenta (87%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9380, 7.1208, 63.5379 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 14.9380, 7.1208, 63.5379 by changing the saturation by 10% instead.

■ 14.9380, 7.1208,
63.5379

■ 14.9380, 7.1208,
63.5379

216.3865,
168.6637, 455.6806

■ 8.8619, 3.5378,
45.8327

■ 34.3169, 20.2158,
111.5382

■ 4.7076, 1.4185,
31.7661

■ 48.3505, 30.4966,
142.6704

■ 2.1097, 0.2303,
20.9196

■ 65.7672, 43.7787,
179.1154

■ 0.6945, 0.0000,
12.8746

■ 86.9325, 60.4466,
221.2917

■ 0.0000, 0.0000,
7.2125

■ 112.2118, 80.8847,
269.6178

■ 0.0000, 0.0000,
3.5149

■ 141.9703,

■ 0.0000, 0.0000,

105.4773, 324.5123

1.3632

176.5734,
134.6088, 386.3937

0.0000, 0.0000,
0.1127

0.0000, 0.0000,
0.0000

14.9380, 7.1208,
63.5379

14.9380, 7.1208,
63.5379

13.4959, 5.7597,
63.3514

17.1047, 9.4092,
63.8657

12.9420, 5.2844,
63.2889

20.0832, 12.7613,
64.3557

23.9492, 17.2904,
65.0261

28.7690, 23.0951,
65.8925

■ 34.6022, 30.2634,
66.9687

■ 41.5035, 38.8753,
68.2672

■ 49.5237, 49.0048,
69.7997

■ 58.7100, 60.7205,
71.5769

■ 69.1072, 74.0871,
73.6089

Harmonies

Analogous

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



8.0224, 7.1208, 89.1978



14.9380, 7.1208, 63.5379



21.2698, 7.1208, 26.2980

Triad

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



14.9380, 7.1208, 63.5379



11.7244, 7.1208, 0.0000



0.8309, 7.1208, 11.6624

Complementary

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



14.9380, 7.1208, 63.5379



42.4262, 57.1621, 10.2359

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.



1.0378, 7.1208, 0.9547



14.9380, 7.1208, 63.5379



5.6518, 7.1208, 0.0000

Square

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



14.9380, 7.1208, 63.5379



18.8293, 7.1208, 0.0000



2.3017, 7.1208, 0.0000



1.4153, 7.1208, 41.9089

Rectangle

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



14.9380, 7.1208, 63.5379



23.0932, 7.1208, 9.6265



2.3017, 7.1208, 0.0000



0.8183, 7.1208, 6.1405

Sweetspot

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



14.9385, 7.1209, 63.5381



61.5413, 57.3787, 102.4394



28.9586, 37.7698, 68.7150



12.3534, 11.2562, 21.7715



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



14.9385, 7.1209, 63.5381



19.3457, 7.8880, 95.1106



26.2642, 12.9595, 64.0682



11.9659, 12.1238, 15.6470



7.9710, 3.2617, 38.6626



0.5480, 0.2314, 2.3351

Inverse Universe

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



36.0192, 18.4476, 43.7757



52.3079, 25.6872, 60.2128



28.2850, 49.8720, 9.5741



12.8446, 12.5894, 15.1221



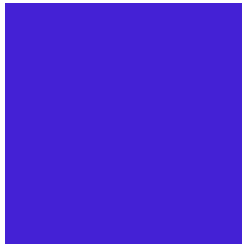
21.3218, 10.4650, 24.7964



1.3132, 0.6421, 1.6385

Previews

White Background



This preview shows how the XYZ color 14.9380, 7.1208, 63.5379 looks on a white background.

Color Contrast Check

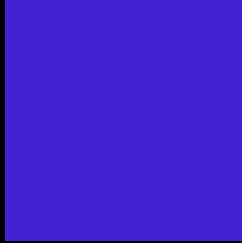
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.9380, 7.1208, 63.5379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

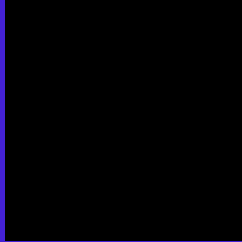
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9380, 7.1208, 63.5379

Background



This preview shows how black text looks on a background with the XYZ color 14.9380, 7.1208, 63.5379.



This preview shows how white text looks on a background with the XYZ color 14.9380, 7.1208,

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

14.9380, 7.1208, 63.5379

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7537, 7.0605, 22.1259



Tritanopia

4.9735, 7.0619, 10.5521

Trichromacy



Original Color

14.9380, 7.1208, 63.5379

Protanomaly

9.6518, 6.3279, 41.2701

Deuteranomaly

8.4687, 6.1900, 34.0061

Tritanomaly

6.5943, 5.7085, 23.3086

Monochromacy



Original Color

14.9380, 7.1208, 63.5379

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.7231, 4.9780, 17.7461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9380, 7.1208, 63.5379 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(68, 33, 213)` looks like.

```
.text, #text, p{  
    color:rgb(68, 33, 213)  
}
```

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(68, 33, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 33, 213) }
```

Border

The CSS property to change the border of an element to XYZ 14.9380, 7.1208, 63.5379 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(68, 33, 213) }
```


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

```
.border{ border-color:rgb(68, 33, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 33, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 33, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 33, 213);  
box-shadow:4px 4px 4px 4px rgb(68, 33,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9380, 7.1208, 63.5379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 33, 213) }
```

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

```
.background{ background-color: rgb(68, 33,  
213) }
```

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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