

Converting Colors

XYZ(14.2161, 6.3946, 42.8682)

Have a look what the booklet for
XYZ(14.2161, 6.3946, 42.8682)
contains.

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Color

**XYZ(14.3210, 6.4428,
43.1366)**

Conversions

Conversions Part 1

Format	Color
Hex	6C00B3
RGB	108, 0, 179
RGB Percent	42%, 0%, 70%
CMY	0.5765, 1.0000, 0.2980
CMYK	0.40, 1.00, 0.00, 0.30
HSL	276°, 100%, 35%
HSV	276°, 100%, 70%
XYZ	14.3210, 6.4428, 43.1366
YIQ	52.6980, 6.9090, 78.5650

Conversions

Conversions Part 2

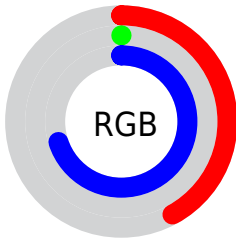
Format	Color
R_{YB}	108, 0, 179
Decimal	7078067
CIE _{Lab}	30.50, 65.62, -66.71
CIE _{LCh}	31, 93.574, 314.526
Yxy	6.4428, 0.2241, 0.1008
Android (android.graphics.Color)	4285268147 (0xFF6C00B3)
YUV	52.6980, 62.2669, 48.4999
Hunter-Lab	25.3827, 56.2907, -82.9926

Details

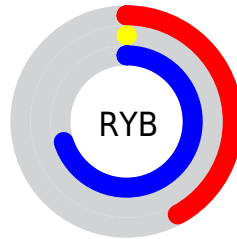
The XYZ color **14.3210, 6.4428, 43.1366** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **18.7185, 33.5798, 5.4950**, and the grayscale version is **3.2748, 3.4453, 3.7520**.

A 20% lighter version of the original color is **33.1836, 18.7978, 81.2363**, and **4.8740, 2.0850, 19.5476** is the 20% darker color. If you saturate the color by 10%, you get **14.3214, 6.4430, 43.1368**, and if you desaturate by 10%, it is **15.4351, 7.3359, 43.2504**.

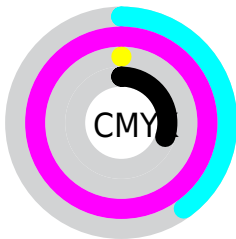
Distribution



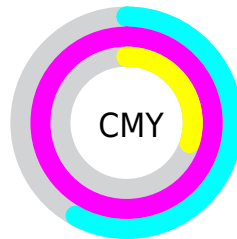
- Red (42%)
- Green (0%)
- Blue (70%)



- Red (42%)
- Yellow (0%)
- Blue (70%)



- Cyan (40%)
- Magenta (100%)
- Yellow (0%)
- Black (30%)



- Cyan (58%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3210, 6.4428, 43.1366 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 14.3210, 6.4428, 43.1366 by changing the saturation by 10% instead.

■ 14.3210, 6.4428,
43.1366

■ 14.3210, 6.4428,
43.1366

212.6896,
162.9501, 375.1109

■ 8.4275, 3.1162,
29.6601

■ 33.2390, 18.8432,
81.2055

■ 4.4238, 1.1927,
19.3309

■ 46.9943, 28.6857,
106.6350

■ 1.9446, 0.0557,
11.7304

■ 64.1007, 41.4689,
136.8860

■ 0.6025, 0.0000,
6.4401

■ 84.9239, 57.5773,
172.3769

■ 0.0000, 0.0000,
3.0414

■ 109.8289, 77.3952,
213.5263


■ 0.0000, 0.0000,
1.1158


■ 139.1814,


■ 0.0000, 0.0000,


101.3070, 260.7527


0.0000


 173.3465,
129.6972, 314.4748


 14.3210, 6.4428,
43.1366


 14.3210, 6.4428,
43.1366


 14.3214, 6.4430,
43.1368

 15.4351, 7.3359,
43.2504

 16.8163, 8.6567,
43.4326

 18.5412, 10.5560,
43.7083

 20.6470, 13.1058,
44.0894

 23.1656, 16.3675,
44.5863

■ 26.1249, 20.3949,
45.2077

■ 29.5502, 25.2369,
45.9617

■ 33.4649, 30.9378,
46.8558

■ 37.8905, 37.5389,
47.8967

Harmonies

Analogous

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



8.5364, 6.4428, 67.7691



14.3210, 6.4428, 43.1366



18.6652, 6.4428, 15.8206

Triad

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



14.3210, 6.4428, 43.1366



8.7087, 6.4428, 0.0000



1.0083, 6.4428, 15.1546

Complementary

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



14.3210, 6.4428, 43.1366



18.7185, 33.5798, 5.4950

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.



1.0193, 6.4428, 2.2907



14.3210, 6.4428, 43.1366



4.2147, 6.4428, 0.0000

Square

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



14.3210, 6.4428, 43.1366



14.4986, 6.4428, 0.0000



1.8637, 6.4428, 0.0000



1.8186, 6.4428, 42.1786

Rectangle

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



14.3210, 6.4428, 43.1366



19.2690, 6.4428, 5.2501



1.8637, 6.4428, 0.0000



0.9358, 6.4428, 9.1371

Sweetspot

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



14.3214, 6.4430, 43.1368



52.5919, 44.7226, 82.2416



10.4283, 7.8379, 43.6112



11.0662, 9.0742, 18.0905



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



14.3214, 6.4430, 43.1368



25.3897, 11.4055, 77.2445



25.0323, 12.1605, 34.7924



8.5173, 8.4752, 10.6933



10.1950, 4.5915, 30.4859



0.3843, 0.1772, 0.9622

Inverse Universe

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



19.7277, 10.0386, 6.8587



35.2284, 17.9376, 11.7396



16.2285, 32.2837, 5.9440



8.6313, 8.5592, 9.5570



13.9707, 7.1058, 5.0057



0.4688, 0.2353, 0.3111

Previews

White Background



This preview shows how the XYZ color 14.3210, 6.4428, 43.1366 looks on a white background.

Color Contrast Check

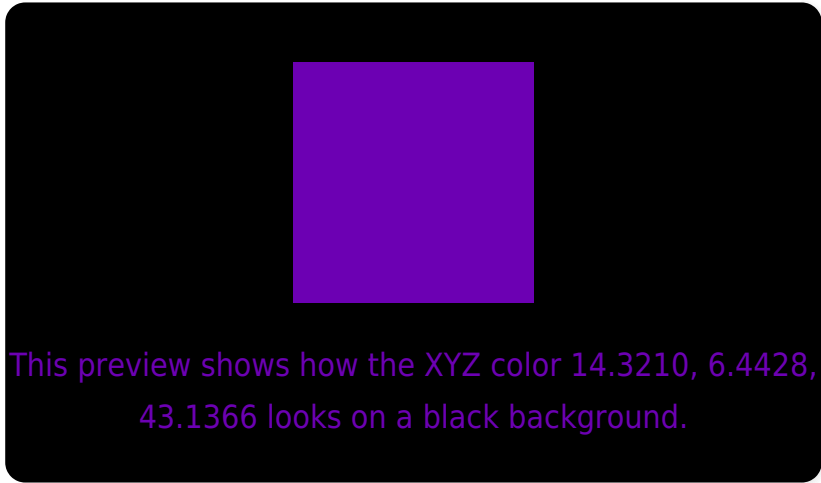
Large Text (above 18pt) WCAG AA ✓ Pass

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

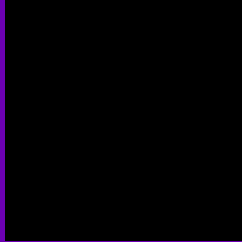
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.3210, 6.4428, 43.1366

Background



This preview shows how black text looks on a background with the XYZ color 14.3210, 6.4428, 43.1366.



This preview shows how white text looks on a background with the XYZ color 14.3210, 6.4428,

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

14.3210, 6.4428, 43.1366

Protanopia

7.9033, 6.8691, 30.1875

Deuteranopia

6.6831, 6.9195, 22.1024



Tritanopia

7.2979, 6.8668, 7.5974

Trichromacy



Original Color

14.3210, 6.4428, 43.1366

Protanomaly

8.2467, 4.9585, 34.2407

Deuteranomaly

7.2803, 4.7661, 28.5532

Tritanomaly

8.5351, 5.4487, 16.2246

Monochromacy



Original Color

14.3210, 6.4428, 43.1366

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5718, 3.4614, 12.1788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3210, 6.4428, 43.1366 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(108, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(108, 0, 179)  
}
```

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(108, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 14.3210, 6.4428, 43.1366 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(108, 0, 179) }
```


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

```
.border{ border-color:rgb(108, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(108, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(108, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3210, 6.4428, 43.1366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 0, 179) }
```

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

```
.background{ background-color: rgb(108, 0,  
179) }
```

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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