

Converting Colors

XYZ(14.3292, 6.4146, 46.9238)

Have a look what the booklet for
XYZ(14.3292, 6.4146, 46.9238)
contains.

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Color

**XYZ(14.3750, 6.4351,
46.9388)**

Conversions

Conversions Part 1

Format	Color
Hex	6603BA
RGB	102, 3, 186
RGB Percent	40%, 1%, 73%
CMY	0.6000, 0.9882, 0.2706
CMYK	0.45, 0.98, 0.00, 0.27
HSL	272°, 97%, 37%
HSV	272°, 98%, 73%
XYZ	14.3750, 6.4351, 46.9388
YIQ	53.4630, 0.2610, 77.9010

Conversions

Conversions Part 2

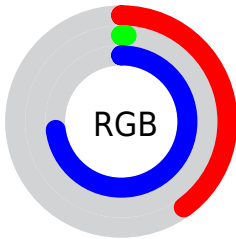
Format	Color
R_{YB}	102, 3, 186
Decimal	6685626
CIE _{Lab}	30.48, 66.03, -70.94
CIE _{LCh}	30, 96.914, 312.948
Yxy	6.4351, 0.2122, 0.0950
Android (android.graphics.Color)	4284875706 (0xFF6603BA)
YUV	53.4630, 65.3407, 42.5669
Hunter-Lab	25.3675, 56.7575, -91.9501

Details

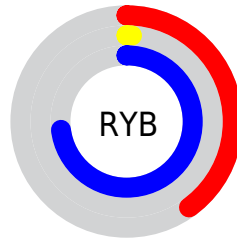
The XYZ color **14.3750, 6.4351, 46.9388** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **21.5053, 37.1504, 6.1234**, and the grayscale version is **3.3633, 3.5385, 3.8534**.

A 20% lighter version of the original color is **33.2581, 18.8132, 86.6724**, and **4.8597, 2.0320, 21.6088** is the 20% darker color. If you saturate the color by 10%, you get **14.1882, 6.2905, 46.9209**, and if you desaturate by 10%, it is **15.6402, 7.4536, 47.0689**.

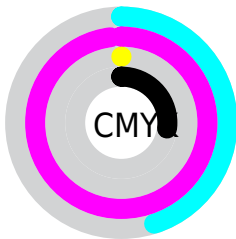
Distribution



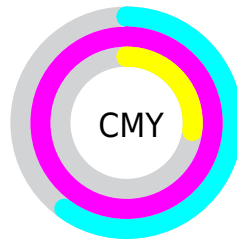
- Red (40%)
- Green (1%)
- Blue (73%)



- Red (40%)
- Yellow (1%)
- Blue (73%)



- Cyan (45%)
- Magenta (98%)
- Yellow (0%)
- Black (27%)



- Cyan (60%)
- Magenta (99%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3750, 6.4351, 46.9388 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 14.3750, 6.4351, 46.9388 by changing the saturation by 10% instead.

 14.3750, 6.4351,
46.9388


 14.3750, 6.4351,
46.9388

213.0156,
162.8837, 390.9569

 8.4654, 3.1114,
32.6333


 33.3337, 18.8274,
86.9713


 4.4484, 1.1902,
21.5768


 47.1135, 28.6648,
113.5353


 1.9588, 0.0537,
13.3510


 64.2473, 41.4423,
145.0226

 0.6107, 0.0000,
7.5371

 85.1007, 57.5441,
181.8517

 0.0000, 0.0000,
3.7167

 110.0388, 77.3548,
224.4412


 0.0000, 0.0000,
1.4713

 139.4271,


 0.0000, 0.0000,

101.2587, 273.2095


0.1964

 173.6309,
129.6402, 328.5752

 0.0000, 0.0000,
0.0000


 14.3750, 6.4351,
46.9388


 14.3750, 6.4351,
46.9388


 14.1882, 6.2905,
46.9209

 15.6402, 7.4536,
47.0689

 17.2469, 9.0036,
47.2834

 19.2609, 11.2118,
47.6034

 21.7229, 14.1558,
48.0419

 24.6681, 17.9021,
48.6098

■ 28.1277, 22.5095,
49.3168

■ 32.1301, 28.0312,
50.1716

■ 36.7012, 34.5158,
51.1824

■ 41.8655, 42.0085,
52.3564

Harmonies

Analogous

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



8.3282, 6.4351, 72.4390



14.3750, 6.4351, 46.9388



19.1299, 6.4351, 17.4159

Triad

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



14.3750, 6.4351, 46.9388



9.1056, 6.4351, 0.0000



0.9034, 6.4351, 14.3843

Complementary

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



14.3750, 6.4351, 46.9388



21.5053, 37.1504, 6.1234

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.



0.9502, 6.4351, 1.8837



14.3750, 6.4351, 46.9388



4.3355, 6.4351, 0.0000

Square

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



14.3750, 6.4351, 46.9388



15.1843, 6.4351, 0.0000



1.8433, 6.4351, 0.0000



1.6485, 6.4351, 42.5109

Rectangle

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



14.3750, 6.4351, 46.9388



19.9507, 6.4351, 5.7793



1.8433, 6.4351, 0.0000



0.8450, 6.4351, 8.3968

Sweetspot

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



14.3754, 6.4353, 46.9390



56.6240, 48.5559, 90.5892



12.4230, 10.6096, 47.8476



11.7854, 9.7467, 19.8027



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



14.3754, 6.4353, 46.9390



25.4339, 11.2559, 85.0335



28.5103, 13.7954, 44.2868



8.9728, 8.9523, 11.3345



9.6327, 4.2770, 31.5709



0.4101, 0.1871, 1.1163

Inverse Universe

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



22.0023, 11.1922, 10.0162



39.5836, 20.0734, 16.8822



17.6463, 35.1572, 6.1172



9.1714, 9.0789, 10.2502



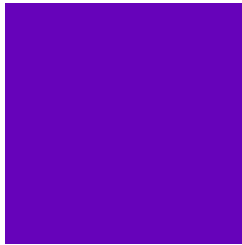
14.7735, 7.4831, 6.6938



0.5521, 0.2763, 0.4008

Previews

White Background



This preview shows how the XYZ color 14.3750, 6.4351, 46.9388 looks on a white background.

Color Contrast Check

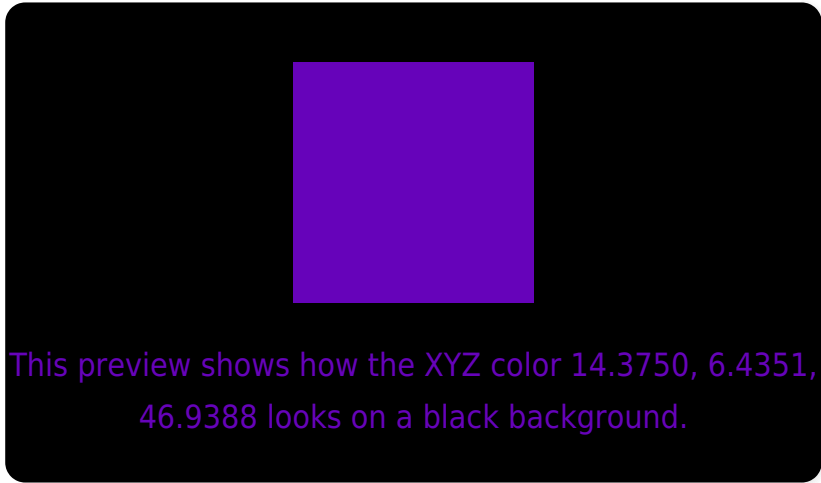
Large Text (above 18pt) WCAG AA ✓ Pass

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

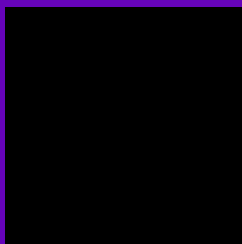
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.3750, 6.4351, 46.9388

Background



This preview shows how black text looks on a background with the XYZ color 14.3750, 6.4351, 46.9388.



This preview shows how white text looks on a background with the XYZ color 14.3750, 6.4351,

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

14.3750, 6.4351, 46.9388

Protanopia

7.7583, 6.7085, 29.7401

Deuteranopia

6.5469, 6.7539, 21.7274



Tritanopia

6.7382, 6.8516, 8.1751

Trichromacy



Original Color

14.3750, 6.4351, 46.9388

Protanomaly

8.3508, 4.9916, 35.1737

Deuteranomaly

7.3663, 4.7919, 29.3909

Tritanomaly

8.0142, 5.3296, 17.4359

Monochromacy



Original Color

14.3750, 6.4351, 46.9388

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.5485, 3.4812, 12.6914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3750, 6.4351, 46.9388 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(102, 3, 186)` looks like.

```
.text, #text, p{  
    color:rgb(102, 3, 186)  
}
```

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(102, 3, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 3, 186) }
```

Border

The CSS property to change the border of an element to XYZ 14.3750, 6.4351, 46.9388 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(102, 3, 186) }
```


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

```
.border{ border-color:rgb(102, 3, 186) }
```

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

Here you see how a box with a 4 pixel rgb(102, 3, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 3, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 3, 186);  
box-shadow:4px 4px 4px 4px rgb(102, 3,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3750, 6.4351, 46.9388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 3, 186) }
```

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

```
.background{ background-color: rgb(102, 3,  
186) }
```

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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