

Converting Colors

XYZ(14.1898, 6.3205, 45.6000)

Have a look what the booklet for
XYZ(14.1898, 6.3205, 45.6000)
contains.

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Color

**XYZ(14.2452, 6.3443,
45.8212)**

Conversions

Conversions Part 1

Format	Color
Hex	6700B8
RGB	103, 0, 184
RGB Percent	40%, 0%, 72%
CMY	0.5961, 1.0000, 0.2784
CMYK	0.44, 1.00, 0.00, 0.28
HSL	274°, 100%, 36%
HSV	274°, 100%, 72%
XYZ	14.2452, 6.3443, 45.8212
YIQ	51.7730, 2.3240, 79.0600

Conversions

Conversions Part 2

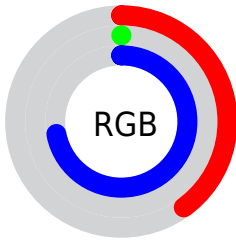
Format	Color
RYB	103, 0, 184
Decimal	6750392
CIELab	30.26, 66.17, -70.11
CIElCh	30, 96.406, 313.346
Yxy	6.3443, 0.2145, 0.0955
Android (android.graphics.Color)	4284940472 (0xFF6700B8)
YUV	51.7730, 65.1879, 44.9261
Hunter-Lab	25.1879, 56.8732, -90.2274

Details

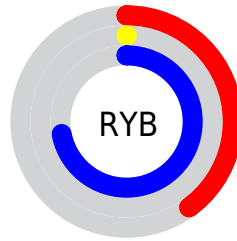
The XYZ color **14.2452, 6.3443, 45.8212** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **20.5338, 36.0304, 5.8724**, and the grayscale version is **3.1631, 3.3278, 3.6240**.

A 20% lighter version of the original color is **33.0948, 18.6670, 85.0779**, and **4.7991, 2.0163, 20.9051** is the 20% darker color. If you saturate the color by 10%, you get **14.2455, 6.3444, 45.8214**, and if you desaturate by 10%, it is **15.4431, 7.2926, 45.9413**.

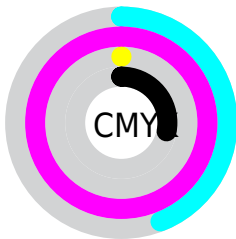
Distribution



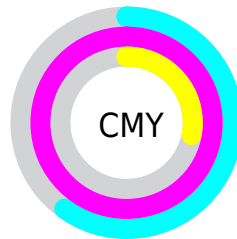
- Red (40%)
- Green (0%)
- Blue (72%)



- Red (40%)
- Yellow (0%)
- Blue (72%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (60%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.2452, 6.3443, 45.8212 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 14.2452, 6.3443, 45.8212 by changing the saturation by 10% instead.


 14.2452, 6.3443,
45.8212


 14.2452, 6.3443,
45.8212


212.2312,
162.0985, 386.3460

 8.3742, 3.0555,
31.7571


 33.1061, 18.6414,
85.2828


 4.3891, 1.1608,
20.9128


 46.8268, 28.4185,
111.5174


 1.9246, 0.0293,
12.8696


 63.8947, 41.1273,
142.6459

 0.5910, 0.0000,
7.2092

 84.6753, 57.1520,
179.0869

 0.0000, 0.0000,
3.5128

 109.5339, 76.8771,
221.2588


 0.0000, 0.0000,
1.3621


 138.8358,


 0.0000, 0.0000,

100.6869, 269.5803


0.1119

 172.9465,
128.9659, 324.4699

 0.0000, 0.0000,
0.0000


 14.2452, 6.3443,
45.8212


 14.2452, 6.3443,
45.8212


 14.2455, 6.3444,
45.8214

 15.4431, 7.2926,
45.9413

 16.9427, 8.7078,
46.1354

 18.8250, 10.7475,
46.4299

 21.1305, 13.4895,
46.8376

 23.8938, 16.9998,
47.3695

■ 27.1456, 21.3365,
48.0352

■ 30.9135, 26.5519,
48.8433

■ 35.2231, 32.6940,
49.8017

■ 40.0979, 39.8072,
50.9178

Harmonies

Analogous

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



8.2824, 6.3443, 71.1691



14.2452, 6.3443, 45.8212



18.8884, 6.3443, 16.8595

Triad

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



14.2452, 6.3443, 45.8212



8.8998, 6.3443, 0.0000



0.8958, 6.3443, 14.4521

Complementary

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



14.2452, 6.3443, 45.8212



20.5338, 36.0304, 5.8724

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.



0.9330, 6.3443, 1.9290



14.2452, 6.3443, 45.8212



4.2283, 6.3443, 0.0000

Square

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



14.2452, 6.3443, 45.8212



14.8879, 6.3443, 0.0000



1.7988, 6.3443, 0.0000



1.6441, 6.3443, 42.3053

Rectangle

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



14.2452, 6.3443, 45.8212



19.6519, 6.3443, 5.5468



1.7988, 6.3443, 0.0000



0.8351, 6.3443, 8.4751

Sweetspot

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



14.2456, 6.3445, 45.8214



55.6725, 47.6176, 88.4615



11.7298, 9.6168, 46.5856



11.3651, 9.3773, 18.9326



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



14.2456, 6.3445, 45.8214



25.5442, 11.3568, 83.0504



27.4855, 13.2777, 41.5689



8.9890, 8.9607, 11.3353



9.9003, 4.4150, 31.5834



0.4188, 0.1916, 1.1167

Inverse Universe

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



21.2524, 10.7845, 8.7459



38.4099, 19.5034, 15.2446



17.1910, 34.3013, 5.9790



9.1644, 9.0761, 10.2133



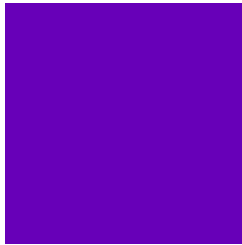
14.6813, 7.4463, 6.2085



0.5488, 0.2750, 0.3832

Previews

White Background



This preview shows how the XYZ color 14.2452, 6.3443, 45.8212 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 14.2452, 6.3443, 45.8212

Background



This preview shows how black text looks on a background with the XYZ color 14.2452, 6.3443, 45.8212.



This preview shows how white text looks on a background with the XYZ color 14.2452, 6.3443,

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

14.2452, 6.3443, 45.8212

Protanopia

7.7583, 6.7085, 29.7401

Deuteranopia

6.5469, 6.7539, 21.7274



Tritanopia

6.7988, 6.7903, 7.9735

Trichromacy



Original Color

14.2452, 6.3443, 45.8212

Protanomaly

8.2229, 4.8787, 34.6907

Deuteranomaly

7.2447, 4.6771, 28.9547

Tritanomaly

8.0599, 5.2412, 17.1098

Monochromacy



Original Color

14.2452, 6.3443, 45.8212

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.4426, 3.3474, 12.4158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2452, 6.3443, 45.8212 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(103, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(103, 0, 184)  
}
```

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(103, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 14.2452, 6.3443, 45.8212 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(103, 0, 184) }
```


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

```
.border{ border-color:rgb(103, 0, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 0, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(103, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2452, 6.3443, 45.8212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 0, 184) }
```

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

```
.background{ background-color: rgb(103, 0,  
184) }
```

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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