

Converting Colors

XYZ(15.4483, 6.9693, 45.6589)

Have a look what the booklet for
XYZ(15.4483, 6.9693, 45.6589)
contains.

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Color

**XYZ(15.4618, 6.9714,
45.8781)**

Conversions

Conversions Part 1

Format	Color
Hex	7100B8
RGB	113, 0, 184
RGB Percent	44%, 0%, 72%
CMY	0.5568, 1.0000, 0.2784
CMYK	0.39, 1.00, 0.00, 0.28
HSL	277°, 100%, 36%
HSV	277°, 100%, 72%
XYZ	15.4618, 6.9714, 45.8781
YIQ	54.7630, 8.2840, 81.1800

Conversions

Conversions Part 2

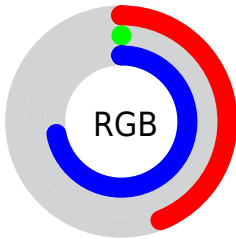
Format	Color
R_{YB}	113, 0, 184
Decimal	7405752
CIE _{Lab}	31.74, 67.16, -67.62
CIE _{LCh}	32, 95.310, 314.804
Yxy	6.9714, 0.2263, 0.1021
Android (android.graphics.Color)	4285595832 (0xFF7100B8)
YUV	54.7630, 63.7138, 51.0738
Hunter-Lab	26.4034, 58.3234, -84.5389

Details

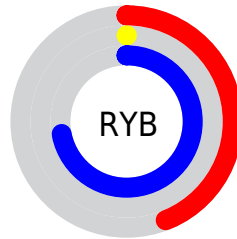
The XYZ color **15.4618, 6.9714, 45.8781** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **19.7389, 35.6206, 5.8351**, and the grayscale version is **3.5238, 3.7073, 4.0373**.

A 20% lighter version of the original color is **35.1205, 19.9064, 85.2103**, and **5.4306, 2.3419, 20.9347** is the 20% darker color. If you saturate the color by 10%, you get **15.4622, 6.9716, 45.8783**, and if you desaturate by 10%, it is **16.6346, 7.9068, 45.9970**.

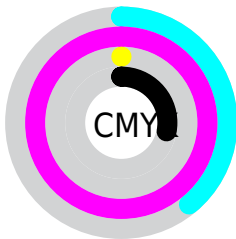
Distribution



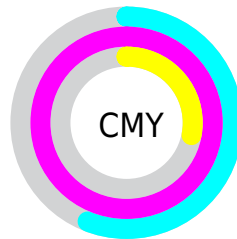
- Red (44%)
- Green (0%)
- Blue (72%)



- Red (44%)
- Yellow (0%)
- Blue (72%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (56%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4618, 6.9714, 45.8781 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 15.4618, 6.9714, 45.8781 by changing the saturation by 10% instead.

15.4618, 6.9714,
45.8781

15.4618, 6.9714,
45.8781

219.4780,
167.4258, 386.5817

9.2325, 3.4442,
31.8017

35.2263, 19.9157,
85.3689

4.9515, 1.3678,
20.9465

49.4924, 30.1015,
111.6203

2.2533, 0.1928,
12.8940

67.1680, 43.2757,
142.7672

0.7706, 0.0000,
7.2257

88.6186, 59.8227,
179.2280

0.0000, 0.0000,
3.5231

114.2095, 80.1268,
221.4213

0.0000, 0.0000,
1.3675

144.3062,


0.0000, 0.0000,


104.5724, 269.7657


0.1162

 179.2739,
133.5440, 324.6796

 0.0000, 0.0000,
0.0000


 15.4618, 6.9714,
45.8781


 15.4618, 6.9714,
45.8781


 15.4622, 6.9716,
45.8783

 16.6346, 7.9068,
45.9970

 18.0897, 9.2990,
46.1890

 19.9073, 11.3054,
46.4805

 22.1269, 14.0031,
46.8842

 24.7826, 17.4578,
47.4111

■ 27.9043, 21.7274,
48.0707

■ 31.5189, 26.8637,
48.8716

■ 35.6512, 32.9144,
49.8217

■ 40.3243, 39.9235,
50.9283

Harmonies

Analogous

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



9.2679, 6.9714, 72.2694



15.4618, 6.9714, 45.8781



20.0738, 6.9714, 16.8123

Triad

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



15.4618, 6.9714, 45.8781



9.3443, 6.9714, 0.0000



1.1158, 6.9714, 16.5176

Complementary

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



15.4618, 6.9714, 45.8781



19.7389, 35.6206, 5.8351

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.



1.1208, 6.9714, 2.5646



15.4618, 6.9714, 45.8781



4.5411, 6.9714, 0.0000

Square

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



15.4618, 6.9714, 45.8781



15.5404, 6.9714, 0.0000



2.0254, 6.9714, 0.0000



2.0052, 6.9714, 45.4556

Rectangle

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



15.4618, 6.9714, 45.8781



20.6862, 6.9714, 5.5898



2.0254, 6.9714, 0.0000



1.0345, 6.9714, 10.0198

Sweetspot

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



15.4622, 6.9716, 45.8783



56.7855, 48.1914, 88.5136



11.0739, 8.3050, 46.3670



11.6310, 9.5144, 18.9450



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.



15.4622, 6.9716, 45.8783



27.7542, 12.4960, 83.1538



26.6136, 12.9289, 36.9773



9.0363, 8.9850, 11.3375



10.7373, 4.8465, 31.6226



0.4454, 0.2054, 1.1179

Inverse Universe

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



20.9045, 10.6453, 6.9137



37.7866, 19.2541, 11.9625



17.2530, 34.3261, 6.3058



9.1442, 9.0680, 10.1067



14.4395, 7.3496, 4.9352



0.5396, 0.2713, 0.3352

Previews

White Background



This preview shows how the XYZ color 15.4618, 6.9714, 45.8781 looks on a white background.

Color Contrast Check

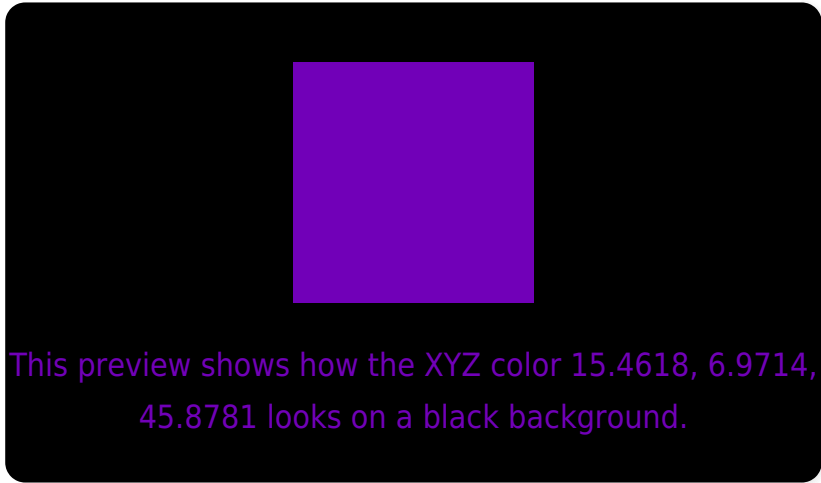
Large Text (above 18pt) WCAG AA ✓ Pass

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

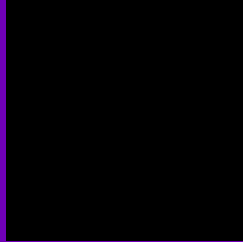
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4618, 6.9714, 45.8781

Background



This preview shows how black text looks on a background with the XYZ color 15.4618, 6.9714, 45.8781.



This preview shows how white text looks on a background with the XYZ color 15.4618, 6.9714,

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

15.4618, 6.9714, 45.8781

Protanopia

8.6019, 7.4665, 32.8861

Deuteranopia

7.1692, 7.3412, 23.9608



Tritanopia

7.9713, 7.3947, 8.0284

Trichromacy



Original Color

15.4618, 6.9714, 45.8781

Protanomaly

8.9465, 5.3753, 37.1252

Deuteranomaly

7.8048, 5.0525, 30.7009

Tritanomaly

9.2750, 5.8676, 17.1667

Monochromacy



Original Color

15.4618, 6.9714, 45.8781

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.9798, 3.6979, 12.9690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4618, 6.9714, 45.8781 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(113, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(113, 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(113, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 15.4618, 6.9714, 45.8781 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(113, 0, 184) }
```


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

```
.border{ border-color:rgb(113, 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(113, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(113, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4618, 6.9714, 45.8781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 0, 184) }
```

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

```
.background{ background-color: rgb(113, 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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