

Converting Colors

XYZ(15.2022, 7.1471, 48.7226)

Have a look what the booklet for
XYZ(15.2022, 7.1471, 48.7226)
contains.

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Color

**XYZ(15.2612, 7.1777,
48.7252)**

Conversions

Conversions Part 1

Format	Color
Hex	6914BD
RGB	105, 20, 189
RGB Percent	41%, 8%, 74%
CMY	0.5882, 0.9216, 0.2588
CMYK	0.44, 0.89, 0.00, 0.26
HSL	270°, 81%, 41%
HSV	270°, 89%, 74%
XYZ	15.2612, 7.1777, 48.7252
YIQ	64.6810, -3.5890, 70.5790

Conversions

Conversions Part 2

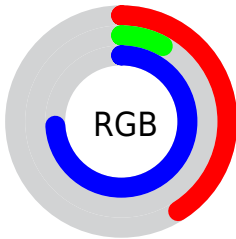
Format	Color
R_{YB}	105, 20, 189
Decimal	6886589
CIE _{Lab}	32.21, 63.97, -69.86
CIE _{LCh}	32, 94.722, 312.479
Yxy	7.1777, 0.2145, 0.1009
Android (android.graphics.Color)	4285076669 (0xFF6914BD)
YUV	64.6810, 61.2893, 35.3598
Hunter-Lab	26.7912, 54.7950, -89.0768

Details

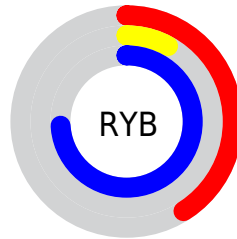
The XYZ color **15.2612, 7.1777, 48.7252** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **24.0322, 39.3886, 6.9979**, and the grayscale version is **4.8867, 5.1412, 5.5987**.

A 20% lighter version of the original color is **34.8131, 20.2837, 89.2691**, and **5.2175, 2.1926, 22.7025** is the 20% darker color. If you saturate the color by 10%, you get **13.9803, 6.1637, 48.5972**, and if you desaturate by 10%, it is **16.8988, 8.7226, 48.9373**.

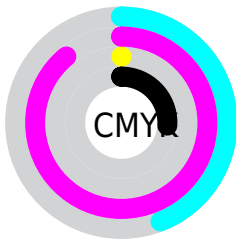
Distribution



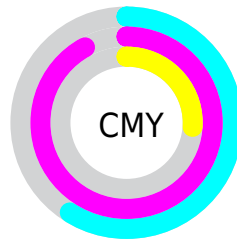
- Red (41%)
- Green (8%)
- Blue (74%)



- Red (41%)
- Yellow (8%)
- Blue (74%)



- Cyan (44%)
- Magenta (89%)
- Yellow (0%)
- Black (26%)





- Cyan (59%)
- Magenta (92%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2612, 7.1777, 48.7252 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 15.2612, 7.1777, 48.7252 by changing the saturation by 10% instead.

 15.2612, 7.1777,
48.7252


 15.2612, 7.1777,
48.7252


218.2990,
169.1322, 398.2508


 9.0904, 3.5735,
34.0375


 34.8787, 20.3298,
89.6599

 4.8578, 1.4380,
22.6448


 49.0560, 30.6465,
116.7440

 2.1980, 0.2444,
14.1286


 66.6330, 43.9694,
148.7973

 0.7417, 0.0000,
8.0704

 87.9749, 60.6831,
186.2384

 0.0000, 0.0000,
4.0516

 113.4471, 81.1718,
229.4857


 0.0000, 0.0000,
1.6537

 143.4149,


 0.0000, 0.0000,

105.8199, 278.9579


0.3287

 178.2438,
135.0119, 335.0734


 0.0000, 0.0000,
0.0000


 15.2612, 7.1777,
48.7252


 15.2612, 7.1777,
48.7252


 13.9803, 6.1637,
48.5972


 16.8988, 8.7226,
48.9373

 13.9114, 6.1105,
48.5905

 18.9703, 10.9495,
49.2579

 21.5202, 13.9414,
49.7010

 24.5865, 17.7688,
50.2782

 28.2027, 22.4942,
50.9997

■ 32.3992, 28.1736,
51.8747

■ 37.2042, 34.8585,
52.9118

■ 42.6437, 42.5966,
54.1187

■ 48.7421, 51.4325,
55.5028

Harmonies

Analogous

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



9.0432, 7.1777, 73.6982



15.2612, 7.1777, 48.7252



20.1468, 7.1777, 18.9350

Triad

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



15.2612, 7.1777, 48.7252



10.0341, 7.1777, 0.0000



1.1658, 7.1777, 15.1271

Complementary

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



15.2612, 7.1777, 48.7252



24.0322, 39.3886, 6.9979

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.



1.2324, 7.1777, 2.2154



15.2612, 7.1777, 48.7252



4.9983, 7.1777, 0.0000

Square

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



15.2612, 7.1777, 48.7252



16.2757, 7.1777, 0.0000



2.2623, 7.1777, 0.0000



1.9954, 7.1777, 43.3085

Rectangle

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



15.2612, 7.1777, 48.7252



21.0324, 7.1777, 6.7158



2.2623, 7.1777, 0.0000



1.1018, 7.1777, 9.0287

Sweetspot

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



15.2616, 7.1779, 48.7254



59.6485, 52.6916, 93.2529



14.4745, 13.8243, 50.0498



12.2346, 10.5168, 19.9277



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.



15.2616, 7.1779, 48.7254



24.6381, 10.8010, 87.0124



30.4218, 14.9932, 49.4349



9.4615, 9.4548, 11.9985



9.4482, 4.1568, 32.6973



0.4455, 0.2017, 1.2843

Inverse Universe

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



23.7349, 12.3185, 14.2219



41.0788, 20.7735, 20.1495



18.6124, 36.5945, 6.7442



9.7225, 9.6133, 10.9279



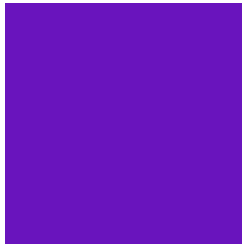
15.5162, 7.8376, 8.0118



0.6408, 0.3202, 0.4878

Previews

White Background



This preview shows how the XYZ color 15.2612, 7.1777, 48.7252 looks on a white background.

Color Contrast Check

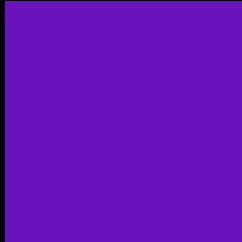
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2612, 7.1777, 48.7252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

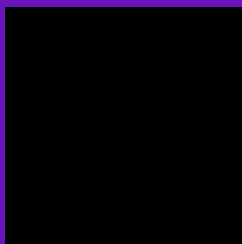
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2612, 7.1777, 48.7252

Background



This preview shows how black text looks on a background with the XYZ color 15.2612, 7.1777, 48.7252.



This preview shows how white text looks on a background with the XYZ color 15.2612, 7.1777,

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

15.2612, 7.1777, 48.7252

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.0991, 7.3132, 23.5917



Tritanopia

7.2257, 7.2885, 8.8106

Trichromacy



Original Color

15.2612, 7.1777, 48.7252



Protanomaly

9.1864, 5.8776, 37.6961



Deuteranomaly

8.1451, 5.7713, 31.2565



Tritanomaly

8.7809, 6.1631, 18.4961

Monochromacy



Original Color

15.2612, 7.1777, 48.7252



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

7.2211, 5.0279, 15.3417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2612, 7.1777, 48.7252 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(105, 20, 189)` looks like.

```
.text, #text, p{  
    color:rgb(105, 20, 189)  
}
```

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(105, 20, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 20, 189) }
```

Border

The CSS property to change the border of an element to XYZ 15.2612, 7.1777, 48.7252 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(105, 20, 189) }
```


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

```
.border{ border-color:rgb(105, 20, 189) }
```

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

Here you see how a box with a 4 pixel rgb(105, 20, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 20, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 20, 189);  
box-shadow:4px 4px 4px 4px rgb(105, 20,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2612, 7.1777, 48.7252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 20, 189) }
```

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

```
.background{ background-color: rgb(105, 20,  
189) }
```

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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