

Converting Colors

XYZ(15.7263, 12.5653, 30.9002)

Have a look what the booklet for
XYZ(15.7263, 12.5653, 30.9002)
contains.

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Color

**XYZ(15.6762, 12.4955,
30.8638)**

Conversions

Conversions Part 1

Format	Color
Hex	705797
RGB	112, 87, 151
RGB Percent	44%, 34%, 59%
CMY	0.5608, 0.6588, 0.4078
CMYK	0.26, 0.42, 0.00, 0.41
HSL	263°, 27%, 47%
HSV	263°, 42%, 59%
XYZ	15.6762, 12.4955, 30.8638
YIQ	101.7710, -5.6440, 25.2040

Conversions

Conversions Part 2

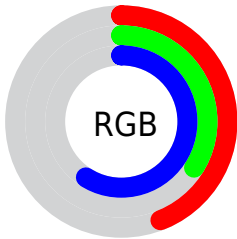
Format	Color
R_{YB}	112, 87, 151
Decimal	7362455
CIE _{Lab}	41.99, 24.23, -31.39
CIE _{LCh}	42, 39.656, 307.666
Yxy	12.4955, 0.2655, 0.2117
Android (android.graphics.Color)	4285552535 (0xFF705797)
YUV	101.7710, 24.2699, 8.9708
Hunter-Lab	35.3490, 17.2986, -27.0228

Details

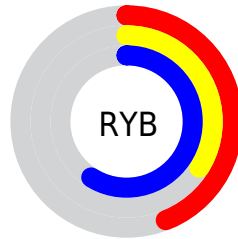
The XYZ color **15.6762, 12.4955, 30.8638** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.3914, 27.2572, 13.1510**, and the grayscale version is **12.5098, 13.1613, 14.3326**.

A 20% lighter version of the original color is **35.6033, 30.3469, 62.3736**, and **5.0798, 3.5301, 12.4702** is the 20% darker color. If you saturate the color by 10%, you get **13.4676, 9.7282, 30.4463**, and if you desaturate by 10%, it is **18.2611, 15.8369, 31.3727**.

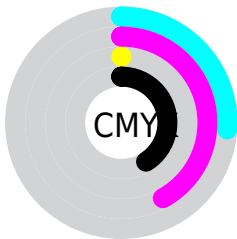
Distribution



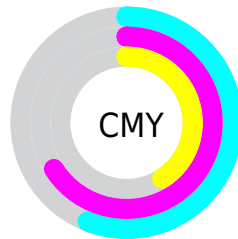
- Red (44%)
- Green (34%)
- Blue (59%)



- Red (44%)
- Yellow (34%)
- Blue (59%)



- Cyan (26%)
- Magenta (42%)
- Yellow (0%)
- Black (41%)



- Cyan (56%)
- Magenta (66%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6762, 12.4955, 30.8638 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 15.6762, 12.4955, 30.8638 by changing the saturation by 10% instead.

■ 15.6762, 12.4955,
30.8638

■ 15.6762, 12.4955,
30.8638

220.7315,
207.6586, 320.2421

■ 9.3847, 7.0821,
20.2376

■ 35.5972, 30.3944,
62.1026

■ 5.0521, 3.5135,
12.3821

■ 49.9573, 43.6487,
83.5523

■ 2.3129, 1.4053,
6.8787

■ 67.7378, 60.2853,
109.4469

■ 0.8013, 0.2206,
3.3091

■ 89.3039, 80.6888,
140.2049

■ 0.0000, 0.0000,
1.2545

■ 115.0209,
105.2435, 176.2449

■ 0.0000, 0.0000,
0.0241

145.2543,

■ 0.0000, 0.0000,

134.3337, 217.9854

0.0000

180.3694,
168.3440, 265.8449

■ 15.6762, 12.4955,
30.8638

■ 15.6762, 12.4955,
30.8638

■ 13.4676, 9.7282,
30.4463

■ 18.2611, 15.8369,
31.3727

■ 11.6144, 7.4996,
30.1138

■ 21.2390, 19.7821,
31.9773

■ 10.0952, 5.7725,
29.8605

■ 24.6273, 24.3603,
32.6824

■ 8.8858, 4.5039,
29.6794

■ 28.4418, 29.5987,
33.4924

■ 7.9579, 3.6435,
29.5622

■ 32.6974, 35.5225,
34.4116

■ 7.3887, 3.1637,
29.4996

■ 37.4083, 42.1557,
35.4436

■ 42.5881, 49.5212,
36.5923

■ 48.2497, 57.6407,
37.8611

■ 54.4056, 66.5352,
39.2535

Harmonies

Analogous

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



12.6467, 12.4955, 36.7812



15.6762, 12.4955, 30.8638



17.9098, 12.4955, 20.7307

Triad

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



15.6762, 12.4955, 30.8638



14.1566, 12.4955, 3.4532



7.1093, 12.4955, 15.8812

Complementary

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



15.6762, 12.4955, 30.8638



21.3914, 27.2572, 13.1510

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.



7.3779, 12.4955, 8.3345



15.6762, 12.4955, 30.8638



11.1384, 12.4955, 3.0419

Square

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



15.6762, 12.4955, 30.8638



16.9364, 12.4955, 5.9172



8.7466, 12.4955, 4.3932



7.9406, 12.4955, 26.0883

Rectangle

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



15.6762, 12.4955, 30.8638



18.4669, 12.4955, 14.2754



8.7466, 12.4955, 4.3932



7.0768, 12.4955, 12.9568

Sweetspot

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



15.6767, 12.4960, 30.8641



43.5416, 42.8601, 58.4116



17.0375, 19.3024, 32.1061



9.6008, 9.3400, 13.2143



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.6767, 12.4960, 30.8641



24.2505, 17.5841, 54.5496



20.4147, 14.9385, 31.0858



6.1013, 6.1381, 7.7922



6.3159, 2.7070, 25.0973



0.1334, 0.0606, 0.3770

Inverse Universe

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



19.9369, 14.9025, 21.5646



33.1640, 22.6294, 34.6226



17.4514, 25.2261, 12.9666



6.3589, 6.2827, 7.2702



12.5156, 6.2605, 9.2400



0.2049, 0.1007, 0.2317

Previews

White Background



This preview shows how the XYZ color 15.6762, 12.4955, 30.8638 looks on a white background.

Color Contrast Check

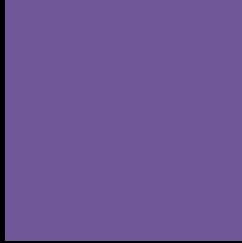
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 15.6762, 12.4955, 30.8638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6762, 12.4955, 30.8638

Background



This preview shows how black text looks on a background with the XYZ color 15.6762, 12.4955, 30.8638.



This preview shows how white text looks on a background with the XYZ color 15.6762, 12.4955,

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

15.6762, 12.4955, 30.8638

Protanopia

13.5215, 12.5833, 34.9739

Deuteranopia

12.9472, 12.6714, 30.1972



Tritanopia

12.5334, 12.5124, 15.1191

Trichromacy



Original Color

15.6762, 12.4955, 30.8638

Protanomaly

14.0247, 12.3377, 33.5405

Deuteranomaly

13.8137, 12.5601, 30.5504

Tritanomaly

13.4906, 12.3596, 20.0870

Monochromacy



Original Color

15.6762, 12.4955, 30.8638

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6087, 12.9696, 19.5554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6762, 12.4955, 30.8638 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(112, 87, 151)` looks like.

```
.text, #text, p{  
    color:rgb(112, 87, 151)  
}
```

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(112, 87, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 87, 151) }
```

Border

The CSS property to change the border of an element to XYZ 15.6762, 12.4955, 30.8638 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(112, 87, 151) }
```


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

```
.border{ border-color:rgb(112, 87, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 87, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 87, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 87, 151);  
box-shadow:4px 4px 4px 4px rgb(112, 87,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6762, 12.4955, 30.8638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 87, 151) }
```

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

```
.background{ background-color: rgb(112, 87,  
151) }
```

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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