

Converting Colors

XYZ(15.6956, 12.6634, 29.2208)

Have a look what the booklet for
XYZ(15.6956, 12.6634, 29.2208)
contains.

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Color

**XYZ(15.6956, 12.6634,
29.2208)**

Conversions

Conversions Part 1

Format	Color
Hex	725893
RGB	114, 88, 147
RGB Percent	45%, 35%, 58%
CMY	0.5529, 0.6549, 0.4235
CMYK	0.22, 0.40, 0.00, 0.42
HSL	266°, 25%, 46%
HSV	266°, 40%, 58%
XYZ	15.6956, 12.6634, 29.2208
YIQ	102.5000, -3.4430, 23.8610

Conversions

Conversions Part 2

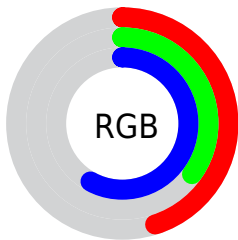
Format	Color
R_{YB}	114, 88, 147
Decimal	7493779
CIE _{Lab}	42.25, 23.23, -28.57
CIE _{LCh}	42, 36.824, 309.114
Yxy	12.6634, 0.2726, 0.2199
Android (android.graphics.Color)	4285683859 (0xFF725893)
YUV	102.5000, 21.9385, 10.0855
Hunter-Lab	35.5857, 16.4552, -23.7754

Details

The XYZ color **15.6956, 12.6634, 29.2208** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **20.0806, 25.6372, 13.1231**, and the grayscale version is **12.7055, 13.3672, 14.5568**.

A 20% lighter version of the original color is **35.5674, 30.6095, 59.2920**, and **5.0536, 3.5904, 11.4930** is the 20% darker color. If you saturate the color by 10%, you get **13.5867, 9.9622, 28.8108**, and if you desaturate by 10%, it is **18.1449, 15.9019, 29.7170**.

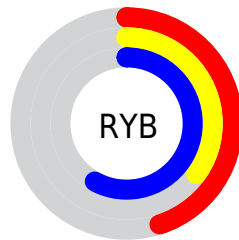
Distribution



Red (45%)

Green (35%)

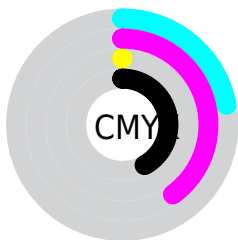
Blue (58%)



Red (45%)

Yellow (35%)

Blue (58%)

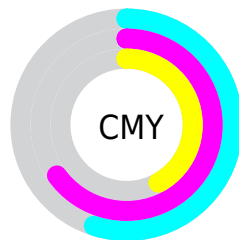


Cyan (22%)

Magenta (40%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (65%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6956, 12.6634, 29.2208 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 15.6956, 12.6634, 29.2208 by changing the saturation by 10% instead.

■ 15.6956, 12.6634,
29.2208

■ 15.6956, 12.6634,
29.2208

■ 220.8446,
208.7490, 312.3488

■ 9.3985, 7.1972,
19.0009

■ 35.6307, 30.6977,
59.4741

■ 5.0612, 3.5857,
11.4941

■ 49.9993, 44.0346,
80.3445

■ 2.3183, 1.4446,
6.2819

■ 67.7892, 60.7639,
105.6023

■ 0.8040, 0.2493,
2.9457

■ 89.3657, 81.2698,
135.6658

■ 0.0000, 0.0000,
1.0670

■ 115.0942,
105.9369, 170.9537

■ 0.0000, 0.0000,
0.0000

145.3399,

135.1496, 211.8844

180.4683,
169.2922, 258.8766

■ 15.6956, 12.6634,
29.2208

■ 15.6956, 12.6634,
29.2208

■ 13.5867, 9.9622,
28.8108

■ 18.1449, 15.9019,
29.7170

■ 11.7995, 7.7659,
28.4810

■ 20.9492, 19.7042,
30.3031

■ 10.3157, 6.0412,
28.2263

■ 24.1237, 24.0973,
30.9838

■ 9.1139, 4.7496,
28.0404

■ 27.6823, 29.1054,
31.7629

■ 8.1698, 3.8466,
27.9158

■ 31.6383, 34.7519,
32.6442

■ 7.4320, 3.2230,
27.8344

■ 36.0042, 41.0585,
33.6314

■ 40.7919, 48.0461,
34.7278

■ 46.0129, 55.7347,
35.9367

■ 51.6781, 64.1432,
37.2611

Harmonies

Analogous

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



12.8946, 12.6634, 34.8384



15.6956, 12.6634, 29.2208



17.6927, 12.6634, 19.9329

Triad

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



15.6956, 12.6634, 29.2208



14.0246, 12.6634, 3.9182



7.5280, 12.6634, 16.3327

Complementary

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



15.6956, 12.6634, 29.2208



20.0806, 25.6372, 13.1231

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.



7.7355, 12.6634, 9.0572



15.6956, 12.6634, 29.2208



11.2167, 12.6634, 3.5804

Square

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



15.6956, 12.6634, 29.2208



16.6303, 12.6634, 6.2629



8.9949, 12.6634, 5.0510



8.3771, 12.6634, 25.7397

Rectangle

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



15.6956, 12.6634, 29.2208



18.1456, 12.6634, 14.0243



8.9949, 12.6634, 5.0510



7.4797, 12.6634, 13.5550

Sweetspot

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



15.6961, 12.6639, 29.2211



41.9448, 41.4028, 55.2154



16.1815, 17.9620, 30.2181



9.4217, 9.2383, 12.5714



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.6961, 12.6639, 29.2211



24.7353, 18.3490, 51.6726



20.0957, 14.9320, 29.4270



5.7275, 5.7505, 7.2778



6.4707, 2.8083, 24.1321



0.1121, 0.0514, 0.2969

Inverse Universe

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



18.9738, 14.5634, 19.9004



31.6227, 22.3457, 31.8375



16.6025, 23.8442, 12.9603



5.9284, 5.8664, 6.7293



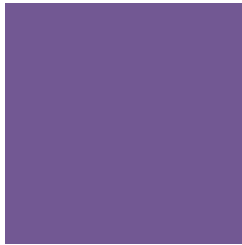
11.7718, 5.9138, 7.5455



0.1589, 0.0783, 0.1706

Previews

White Background



This preview shows how the XYZ color 15.6956, 12.6634, 29.2208 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 15.6956, 12.6634, 29.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

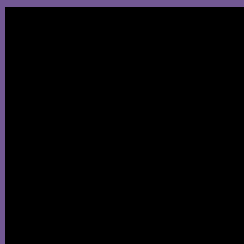
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6956, 12.6634, 29.2208

Background



This preview shows how black text looks on a background with the XYZ color 15.6956, 12.6634, 29.2208.



This preview shows how white text looks on a background with the XYZ color 15.6956, 12.6634,

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

15.6956, 12.6634, 29.2208

Protanopia

13.5085, 12.7642, 32.7621

Deuteranopia

13.0523, 12.7619, 28.5634



Tritanopia

12.8879, 12.6951, 15.1357

Trichromacy



Original Color

15.6956, 12.6634, 29.2208

Protanomaly

14.0838, 12.5477, 31.3854

Deuteranomaly

13.8966, 12.6394, 28.9014

Tritanomaly

13.8233, 12.6765, 19.4875

Monochromacy



Original Color

15.6956, 12.6634, 29.2208

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.7609, 13.1931, 19.2740

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6956, 12.6634, 29.2208 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(114, 88, 147)` looks like.

```
.text, #text, p{  
    color:rgb(114, 88, 147)  
}
```

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(114, 88, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 88, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.6956, 12.6634, 29.2208 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(114, 88, 147) }
```


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

```
.border{ border-color:rgb(114, 88, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 88, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 88, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 88, 147); box-shadow:4px 4px 4px 4px rgb(114, 88, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6956, 12.6634, 29.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 88, 147) }
```

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

```
.background{ background-color: rgb(114, 88,  
147) }
```

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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