

Converting Colors

XYZ(15.1809, 12.2423, 22.5476)

Have a look what the booklet for
XYZ(15.1809, 12.2423, 22.5476)
contains.

XYZ(15.1629, 12.1737, 22.6697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.1629, 12.1737,
22.6697)**

Conversions

Conversions Part 1

Format	Color
Hex	795582
RGB	121, 85, 130
RGB Percent	47%, 33%, 51%
CMY	0.5255, 0.6667, 0.4902
CMYK	0.07, 0.35, 0.00, 0.49
HSL	288°, 21%, 42%
HSV	288°, 35%, 51%
XYZ	15.1629, 12.1737, 22.6697
YIQ	100.8940, 7.0110, 21.6270

Conversions

Conversions Part 2

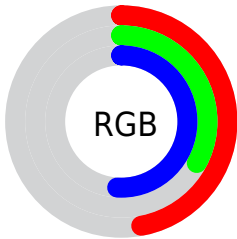
Format	Color
R_{YB}	121, 85, 130
Decimal	7951746
CIE Lab	41.49, 23.37, -19.42
CIE LCh	41, 30.384, 320.280
Yxy	12.1737, 0.3032, 0.2434
Android (android.graphics.Color)	4286141826 (0xFF795582)
YUV	100.8940, 14.3493, 17.6330
Hunter-Lab	34.8908, 16.5138, -14.0990

Details

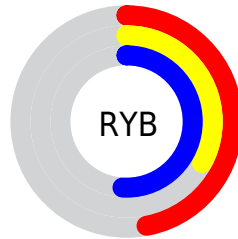
The XYZ color **15.1629, 12.1737, 22.6697** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.2390, 19.0012, 11.5121**, and the grayscale version is **12.3056, 12.9465, 14.0987**.

A 20% lighter version of the original color is **34.6668, 29.7455, 48.7141**, and **4.7720, 3.3698, 7.9883** is the 20% darker color. If you saturate the color by 10%, you get **13.8726, 10.1265, 22.3427**, and if you desaturate by 10%, it is **16.6519, 14.6031, 23.0603**.

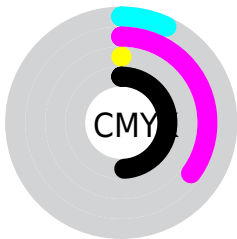
Distribution



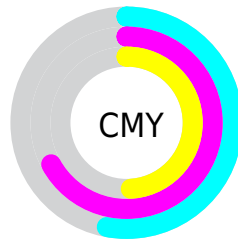
- Red (47%)
- Green (33%)
- Blue (51%)



- Red (47%)
- Yellow (33%)
- Blue (51%)



- Cyan (7%)
- Magenta (35%)
- Yellow (0%)
- Black (49%)



- Cyan (53%)
- Magenta (67%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1629, 12.1737, 22.6697 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 15.1629, 12.1737, 22.6697 by changing the saturation by 10% instead.

■ 15.1629, 12.1737,
22.6697

■ 15.1629, 12.1737,
22.6697

217.7190,
205.5519, 279.0907

■ 9.0209, 6.8621,
14.1468

■ 34.7080, 29.8111,
48.7667

■ 4.8120, 3.3760,
8.0829

■ 48.8418, 42.9056,
67.1779

■ 2.1710, 1.3310,
4.0595

■ 66.3702, 59.3633,
89.7223

■ 0.7274, 0.1650,
1.6581

■ 87.6586, 79.5684,
116.8183

■ 0.0000, 0.0000,
0.3317

■ 113.0723,
103.9055, 148.8847

■ 0.0000, 0.0000,
0.0000

142.9767,

132.7588, 186.3398

177.7371,
166.5128, 229.6023

■ 15.1629, 12.1737,
22.6697

■ 15.1629, 12.1737,
22.6697

■ 13.8726, 10.1265,
22.3427

■ 16.6519, 14.6031,
23.0603

■ 12.7694, 8.4393,
22.0752

■ 18.3480, 17.4322,
23.5170

■ 11.8422, 7.0899,
21.8636

■ 20.2605, 20.6794,
24.0430

■ 11.0786, 6.0532,
21.7038

■ 22.3978, 24.3614,
24.6410

■ 10.4638, 5.3003,
21.5908

■ 24.7680, 28.4940,
25.3138

■ 9.9781, 4.7913,
21.5182

■ 27.3785, 33.0921,
26.0637

■ 9.7381, 4.5547,
21.4852

■ 30.2365, 38.1702,
26.8932

■ 33.3491, 43.7418,
27.8046

■ 36.7227, 49.8201,
28.8001

Harmonies

Analogous

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



13.1096, 12.1737, 28.2911



15.1629, 12.1737, 22.6697



16.2931, 12.1737, 15.4213

Triad

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



15.1629, 12.1737, 22.6697



12.3043, 12.1737, 4.5052



8.0200, 12.1737, 17.9448

Complementary

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



15.1629, 12.1737, 22.6697



14.2390, 19.0012, 11.5121

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.



7.8623, 12.1737, 11.3019



15.1629, 12.1737, 22.6697



10.1573, 12.1737, 4.7939

Square

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



15.1629, 12.1737, 22.6697



14.5092, 12.1737, 5.9162



8.5961, 12.1737, 6.8920



9.0585, 12.1737, 25.0150

Rectangle

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



15.1629, 12.1737, 22.6697



16.2840, 12.1737, 11.1966



8.5961, 12.1737, 6.8920



7.8679, 12.1737, 15.5516

Sweetspot

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



15.1633, 12.1742, 22.6700



33.7416, 33.1154, 41.8060



11.8459, 11.6831, 22.7500



7.5494, 7.3466, 9.4385



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.1633, 12.1742, 22.6700



24.7848, 18.3876, 39.4353



15.6805, 12.5337, 18.5000



4.4166, 4.3704, 5.4241



9.3428, 4.3701, 20.6010



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.4753, 12.0516, 12.1537



23.4549, 18.1854, 17.5309



13.9222, 18.7740, 14.3841



4.3602, 4.3572, 4.7015



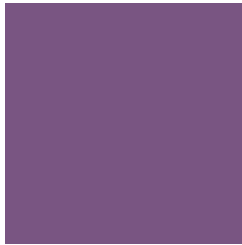
9.0080, 4.6229, 1.3659



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.1629, 12.1737, 22.6697 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 15.1629, 12.1737, 22.6697 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 15.1629, 12.1737, 22.6697

Background



This preview shows how black text looks on a background with the XYZ color 15.1629, 12.1737, 22.6697.



This preview shows how white text looks on a background with the XYZ color 15.1629, 12.1737,

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

15.1629, 12.1737, 22.6697

Protanopia

12.6812, 12.3448, 26.1405

Deuteranopia

12.4928, 12.1996, 22.1184



Tritanopia

13.1481, 12.0770, 13.1934

Trichromacy



Original Color

15.1629, 12.1737, 22.6697

Protanomaly

13.3953, 12.2029, 24.9419

Deuteranomaly

13.3831, 12.1228, 22.4035

Tritanomaly

13.8581, 12.1221, 16.3613

Monochromacy



Original Color

15.1629, 12.1737, 22.6697

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.2012, 12.5424, 17.0544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1629, 12.1737, 22.6697 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(121, 85, 130)` looks like.

```
.text, #text, p{  
    color:rgb(121, 85, 130)  
}
```

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(121, 85, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 85, 130) }
```

Border

The CSS property to change the border of an element to XYZ 15.1629, 12.1737, 22.6697 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(121, 85, 130) }
```


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

```
.border{ border-color:rgb(121, 85, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 85, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 85, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 85, 130);  
box-shadow:4px 4px 4px 4px rgb(121, 85,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1629, 12.1737, 22.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 85, 130) }
```

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

```
.background{ background-color: rgb(121, 85,  
130) }
```

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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