

Converting Colors

XYZ(29.8588, 24.7408, 73.0138)

Have a look what the booklet for
XYZ(29.8588, 24.7408, 73.0138)
contains.

XYZ(29.8588, 24.7408, 73.0138)	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(29.8588, 24.7408,
73.0138)**

Conversions

Conversions Part 1

Format	Color
Hex	827DDF
RGB	130, 125, 223
RGB Percent	51%, 49%, 87%
CMY	0.4902, 0.5098, 0.1255
CMYK	0.42, 0.44, 0.00, 0.13
HSL	243°, 60%, 68%
HSV	243°, 44%, 87%
XYZ	29.8588, 24.7408, 73.0138
YIQ	137.6670, -28.4780, 31.5380

Conversions

Conversions Part 2

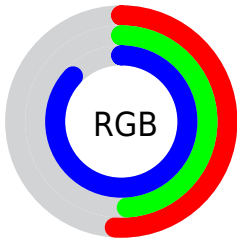
Format	Color
RYB	130, 125, 223
Decimal	8551903
CIELab	56.82, 26.01, -49.50
CIELCh	57, 55.919, 297.719
Yxy	24.7408, 0.2340, 0.1939
Android (android.graphics.Color)	4286741983 (0xFF827DDF)
YUV	137.6670, 42.0692, -6.7240
Hunter-Lab	49.7401, 20.1076, -52.2140

Details

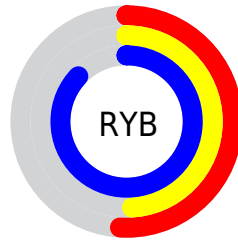
The XYZ color **29.8588, 24.7408, 73.0138** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.0029, 69.1618, 29.6426**, and the grayscale version is **23.8844, 25.1283, 27.3647**.

A 20% lighter version of the original color is **54.4639, 49.6256, 101.3159**, and **12.3835, 9.4147, 37.7238** is the 20% darker color. If you saturate the color by 10%, you get **24.4273, 18.2103, 72.0400**, and if you desaturate by 10%, it is **36.5935, 32.8845, 74.2312**.

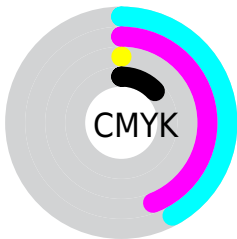
Distribution



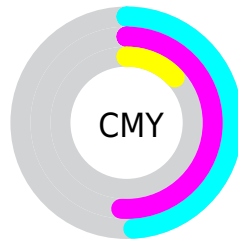
- Red (51%)
- Green (49%)
- Blue (87%)



- Red (51%)
- Yellow (49%)
- Blue (87%)



- Cyan (42%)
- Magenta (44%)
- Yellow (0%)
- Black (13%)



- Cyan (49%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8588, 24.7408, 73.0138 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 29.8588, 24.7408, 73.0138 by changing the saturation by 10% instead.

■ 29.8588, 24.7408,
73.0138

■ 29.8588, 24.7408,
73.0138

293.1674,
276.5446, 490.1347

■ 19.8790, 15.8840,
53.4954

■ 58.8270, 51.2364,
125.2179

■ 12.4149, 9.4421,
37.8079

■ 78.5460, 69.6441,
158.7406

■ 7.1011, 5.0307,
25.5330

■ 102.2422, 92.0041,
197.7685

■ 3.5723, 2.2653,
16.2520

130.2809,
118.7010, 242.7202

■ 1.4631, 0.7552,
9.5463

163.0274,
150.1191, 294.0141

■ 0.3005, 0.0000,
4.9976

200.8470,

■ 0.0000, 0.0000,

186.6428, 352.0688

2.1871

244.1053,
228.6565, 417.3028

■ 0.0000, 0.0000,
0.6669

■ 0.0000, 0.0000,
0.0000

■ 29.8588, 24.7408,
73.0138

■ 29.8588, 24.7408,
73.0138

■ 24.4273, 18.2103,
72.0400

■ 36.5935, 32.8845,
74.2312

■ 20.2118, 13.1833,
71.2919

■ 44.7050, 42.7361,
75.7053

■ 17.1194, 9.5405,
70.7518

■ 54.2650, 54.3861,
77.4501

■ 15.0422, 7.1435,
70.3986

■ 65.3394, 67.9179,
79.4783

■ 13.8511, 5.8252,
70.2069

■ 77.9900, 83.4095,
81.8017

■ 13.4625, 5.4015,
70.1456

■ 90.3194, 98.1078,
83.9889

Harmonies

Analogous

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



23.0187, 24.7408, 81.2818



29.8588, 24.7408, 73.0138



35.8212, 24.7408, 51.0963

Triad

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



29.8588, 24.7408, 73.0138



30.8863, 24.7408, 6.5285



13.0604, 24.7408, 25.5312

Complementary

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



29.8588, 24.7408, 73.0138



59.0029, 69.1618, 29.6426

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.



14.4102, 24.7408, 11.9255



29.8588, 24.7408, 73.0138



24.0192, 24.7408, 4.6048

Square

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



29.8588, 24.7408, 73.0138



36.4875, 24.7408, 13.4257



18.1407, 24.7408, 5.9873



14.0523, 24.7408, 47.3876

Rectangle

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



29.8588, 24.7408, 73.0138



38.0571, 24.7408, 35.3427



18.1407, 24.7408, 5.9873



13.2489, 24.7408, 19.9849

Sweetspot

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



29.8598, 24.7417, 73.0144



74.7301, 75.1571, 105.1758



46.8747, 59.8830, 78.9006



15.3331, 15.2786, 22.3909



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.8598, 24.7417, 73.0144



33.4633, 25.1096, 97.6907



39.2209, 29.5675, 73.4525



13.0164, 13.2765, 17.2643



7.9439, 3.1906, 41.2455



0.5738, 0.2331, 2.8600

Inverse Universe

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



50.4203, 35.4178, 70.5080



64.8976, 41.4406, 93.4686



46.4737, 62.7027, 29.0562



14.2632, 13.9229, 17.1563



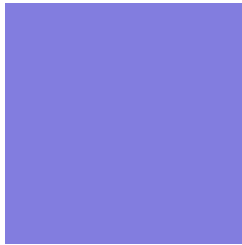
24.8655, 12.0132, 37.5530



1.7330, 0.8365, 2.6525

Previews

White Background



This preview shows how the XYZ color 29.8588, 24.7408, 73.0138 looks on a white background.

Color Contrast Check

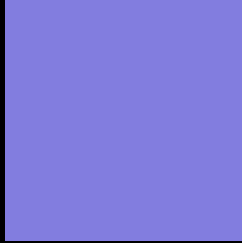
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 29.8588, 24.7408, 73.0138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

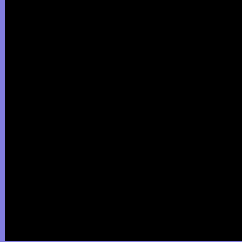
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.8588, 24.7408, 73.0138

Background



This preview shows how black text looks on a background with the XYZ color 29.8588, 24.7408, 73.0138.

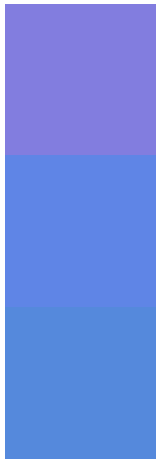


This preview shows how white text looks on a background with the XYZ color 29.8588, 24.7408,

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

29.8588, 24.7408, 73.0138

Protanopia

27.3898, 24.9211, 78.2296

Deuteranopia

25.6102, 24.9899, 71.1839



Tritanopia

21.8745, 24.7615, 33.3323

Trichromacy



Original Color

29.8588, 24.7408, 73.0138

Protanomaly

28.0321, 24.6995, 75.9631

Deuteranomaly

26.8055, 24.7622, 71.7734

Tritanomaly

24.3076, 24.4642, 45.5604

Monochromacy



Original Color

29.8588, 24.7408, 73.0138

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.5406, 24.7905, 40.9750

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8588, 24.7408, 73.0138 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(130, 125, 223)` looks like.

```
.text, #text, p{  
    color:rgb(130, 125, 223)  
}
```

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(130, 125, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 125, 223) }
```

Border

The CSS property to change the border of an element to XYZ 29.8588, 24.7408, 73.0138 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(130, 125, 223) }
```


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

```
.border{ border-color:rgb(130, 125, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 125, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 125, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 125, 223);  
box-shadow:4px 4px 4px 4px rgb(130, 125,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8588, 24.7408, 73.0138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 125, 223) }
```

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

```
.background{ background-color: rgb(130,  
125, 223) }
```

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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