

Converting Colors

XYZ(29.9274, 22.8394, 97.4388)

Have a look what the booklet for
XYZ(29.9274, 22.8394, 97.4388)
contains.

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Color

**XYZ(29.8908, 22.7674,
97.4269)**

Conversions

Conversions Part 1

Format	Color
Hex	6675FF
RGB	102, 117, 255
RGB Percent	40%, 46%, 100%
CMY	0.6000, 0.5412, 0.0000
CMYK	0.60, 0.54, 0.00, 0.00
HSL	234°, 100%, 70%
HSV	234°, 60%, 100%
XYZ	29.8908, 22.7674, 97.4269
YIQ	128.2470, -53.2380, 39.7380

Conversions

Conversions Part 2

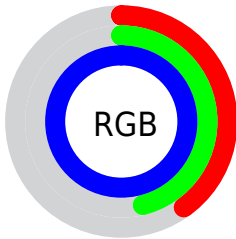
Format	Color
R_{YB}	102, 116, 255
Decimal	6714879
CIE _{Lab}	54.83, 34.71, -70.60
CIE _{LCh}	55, 78.671, 296.180
Y _{xy}	22.7674, 0.1992, 0.1517
Android (android.graphics.Color)	4284904959 (0xFF6675FF)
YUV	128.2470, 62.4892, -23.0186
Hunter-Lab	47.7152, 28.3183, -87.6602

Details

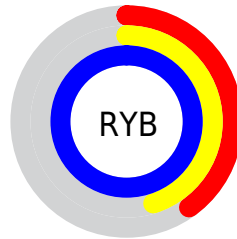
The XYZ color **29.8908, 22.7674, 97.4269** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.8009, 84.5439, 24.9486**, and the grayscale version is **20.4078, 21.4706, 23.3814**.

A 20% lighter version of the original color is **47.7550, 43.5953, 100.5055**, and **12.4032, 8.3890, 53.7888** is the 20% darker color. If you saturate the color by 10%, you get **25.0737, 16.7828, 96.5256**, and if you desaturate by 10%, it is **36.2566, 30.5278, 98.5893**.

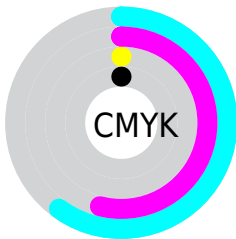
Distribution



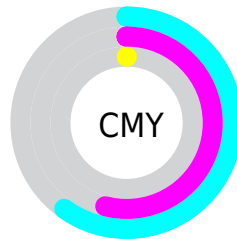
- Red (40%)
- Green (46%)
- Blue (100%)



- Red (40%)
- Yellow (45%)
- Blue (100%)



- Cyan (60%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8908, 22.7674, 97.4269 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 29.8908, 22.7674, 97.4269 by changing the saturation by 10% instead.

■ 29.8908, 22.7674,
97.4269

■ 29.8908, 22.7674,
97.4269

293.3141,
266.5281, 573.0872

■ 19.9034, 14.4219,
73.5485

■ 58.8773, 48.0111,
159.6375

■ 12.4327, 8.4147,
53.9301

■ 78.6070, 65.6781,
198.8069

■ 7.1134, 4.3614,
38.1529

■ 102.3149, 87.2210,
243.9103

■ 3.5801, 1.8777,
25.7987

130.3663,
113.0242, 295.3663

■ 1.4674, 0.5349,
16.4487

163.1266,
143.4721, 353.5934

■ 0.3035, 0.0000,
9.6844

200.9610,

■ 0.0000, 0.0000,

178.9491, 419.0103

5.0874

244.2351,
219.8396, 492.0354

■ 0.0000, 0.0000,
2.2390

■ 0.0000, 0.0000,
0.6967

■ 29.8908, 22.7674,
97.4269

■ 29.8908, 22.7674,
97.4269

■ 25.0737, 16.7828,
96.5256

■ 36.2566, 30.5278,
98.5893

■ 21.6688, 12.4303,
95.8650

■ 44.2861, 40.1885,
100.0308

■ 19.5204, 9.5469,
95.4216

■ 54.0866, 51.8647,
101.7680

■ 18.3977, 7.9152,
95.1659

■ 65.7557, 65.6619,
103.8161

■ 18.3974, 7.9148,
95.1658

■ 79.3838, 81.6784,
106.1893

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



20.5443, 22.7674, 109.8987



29.8908, 22.7674, 97.4269



38.7246, 22.7674, 62.1580

Triad

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



29.8908, 22.7674, 97.4269



32.3495, 22.7674, 2.4895



8.8724, 22.7674, 21.7330

Complementary

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



29.8908, 22.7674, 97.4269



74.8009, 84.5439, 24.9486

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.



10.5050, 22.7674, 6.5429



29.8908, 22.7674, 97.4269



22.7735, 22.7674, 1.1302

Square

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



29.8908, 22.7674, 97.4269



40.3907, 22.7674, 9.0914



15.0667, 22.7674, 1.8616



9.8316, 22.7674, 52.5026

Rectangle

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



29.8908, 22.7674, 97.4269



42.2869, 22.7674, 38.0851



15.0667, 22.7674, 1.8616



9.1214, 22.7674, 15.0165

Sweetspot

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



29.8918, 22.7680, 97.4269



68.3178, 68.6798, 104.2635



56.9241, 80.6187, 94.7660



13.8293, 13.7653, 22.1780



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.



29.8918, 22.7680, 97.4269



24.2831, 15.7850, 96.3747



37.9484, 24.5325, 97.3429



17.1462, 17.6639, 22.7557



9.6600, 4.2297, 49.7419



0.9861, 0.5029, 4.8584

Inverse Universe

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



49.2031, 32.0487, 20.4226



45.3385, 26.5454, 12.2720



60.3563, 83.9228, 25.5901



18.0817, 18.0160, 19.0473



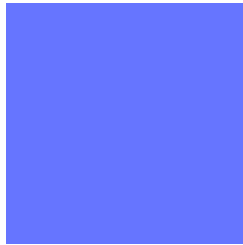
21.6641, 11.1549, 1.6159



2.1324, 1.0953, 0.2784

Previews

White Background



This preview shows how the XYZ color 29.8908, 22.7674, 97.4269 looks on a white background.

Color Contrast Check

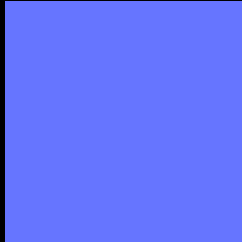
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8908, 22.7674, 97.4269 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 29.8908, 22.7674, 97.4269

Background



This preview shows how black text looks on a background with the XYZ color 29.8908, 22.7674, 97.4269.



This preview shows how white text looks on a background with the XYZ color 29.8908, 22.7674,

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

29.8908, 22.7674, 97.4269

Protanopia

26.8761, 22.8455, 97.6008

Deuteranopia

23.0955, 22.6582, 80.2470



Tritanopia

17.2861, 22.8188, 34.0652

Trichromacy



Original Color

29.8908, 22.7674, 97.4269

Protanomaly

27.6587, 22.6880, 97.5292

Deuteranomaly

24.2295, 21.9229, 86.1736

Tritanomaly

20.6767, 22.2282, 52.4909

Monochromacy



Original Color

29.8908, 22.7674, 97.4269

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.4554, 21.3932, 42.9902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8908, 22.7674, 97.4269 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(102, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 117, 255)  
}
```

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(102, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.8908, 22.7674, 97.4269 is called "border". The border property can be set on classes, ids or directly on the HTML element.

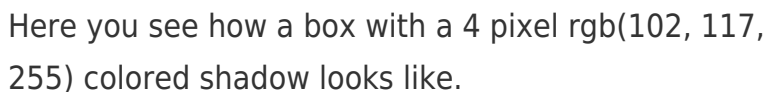
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 117, 255) }
```


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

```
.border{ border-color:rgb(102, 117, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 117,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8908, 22.7674, 97.4269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 117, 255) }
```

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

```
.background{ background-color: rgb(102,  
117, 255) }
```

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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