

Converting Colors

XYZ(29.7289, 22.4435, 97.3729)

Have a look what the booklet for
XYZ(29.7289, 22.4435, 97.3729)
contains.

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Color

**XYZ(29.7749, 22.5356,
97.3882)**

Conversions

Conversions Part 1

Format	Color
Hex	6674FF
RGB	102, 116, 255
RGB Percent	40%, 45%, 100%
CMY	0.6000, 0.5451, 0.0000
CMYK	0.60, 0.55, 0.00, 0.00
HSL	235°, 100%, 70%
HSV	235°, 60%, 100%
XYZ	29.7749, 22.5356, 97.3882
YIQ	127.6600, -52.9630, 40.2610

Conversions

Conversions Part 2

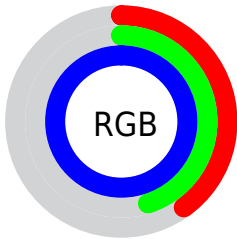
Format	Color
R _{YB}	102, 115, 255
Decimal	6714623
CIE _{Lab}	54.59, 35.31, -70.99
CIE _{LCh}	55, 79.286, 296.444
Yxy	22.5356, 0.1989, 0.1505
Android (android.graphics.Color)	4284904703 (0xFF6674FF)
YUV	127.6600, 62.7786, -22.5038
Hunter-Lab	47.4717, 28.8823, -88.4033

Details

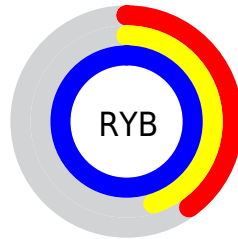
The XYZ color **29.7749, 22.5356, 97.3882** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **75.0961, 85.1344, 25.0471**, and the grayscale version is **20.2044, 21.2566, 23.1485**.

A 20% lighter version of the original color is **47.5697, 43.2246, 100.4437**, and **12.3263, 8.2588, 53.7678** is the 20% darker color. If you saturate the color by 10%, you get **24.9707, 16.5768, 96.4913**, and if you desaturate by 10%, it is **36.1353, 30.2852, 98.5488**.

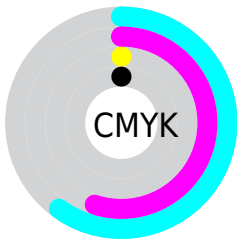
Distribution



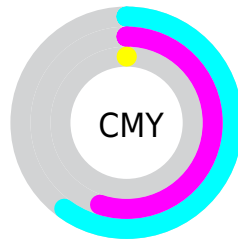
- Red (40%)
- Green (45%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7749, 22.5356, 97.3882 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 29.7749, 22.5356, 97.3882 by changing the saturation by 10% instead.

■ 29.7749, 22.5356,
97.3882

■ 29.7749, 22.5356,
97.3882

292.7825,
265.3307, 572.9611

■ 19.8150, 14.2510,
73.5164

■ 58.6951, 47.6296,
159.5837

■ 12.3681, 8.2954,
53.9040

■ 78.3861, 65.2079,
198.7446

■ 7.0689, 4.2846,
38.1322

■ 102.0515, 86.6527,
243.8389

■ 3.5519, 1.8340,
25.7827

■ 130.0568,
112.3486, 295.2852

■ 1.4519, 0.5082,
16.4368

162.7671,
142.6800, 353.5020

■ 0.2928, 0.0000,
9.6761

200.5479,

■ 0.0000, 0.0000,

178.0312, 418.9079

5.0820

243.7646,
218.7866, 491.9214

■ 0.0000, 0.0000,
2.2358

■ 0.0000, 0.0000,
0.6949

■ 29.7749, 22.5356,
97.3882

■ 29.7749, 22.5356,
97.3882

■ 24.9707, 16.5768,
96.4913

■ 36.1353, 30.2852,
98.5488

■ 21.5849, 12.2626,
95.8370

■ 44.1681, 39.9524,
99.9914

■ 19.4601, 9.4263,
95.4015

■ 53.9815, 51.6544,
101.7329

■ 18.3631, 7.8460,
95.1543

■ 65.6741, 65.4986,
103.7888

■ 18.3628, 7.8457,
95.1543

■ 79.3370, 81.5847,
106.1737

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.



20.3976, 22.5356, 110.2640



29.7749, 22.5356, 97.3882



38.6228, 22.5356, 61.7345

Triad

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



29.7749, 22.5356, 97.3882



32.0719, 22.5356, 2.3438



8.6769, 22.5356, 21.6819

Complementary

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



29.7749, 22.5356, 97.3882



75.0961, 85.1344, 25.0471

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.



10.2763, 22.5356, 6.4298



29.7749, 22.5356, 97.3882



22.4747, 22.5356, 1.0503

Square

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



29.7749, 22.5356, 97.3882



40.1817, 22.5356, 8.7782



14.7945, 22.5356, 1.7756



9.6530, 22.5356, 52.6874

Rectangle

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



29.7749, 22.5356, 97.3882



42.1690, 22.5356, 37.5812



14.7945, 22.5356, 1.7756



8.9168, 22.5356, 14.9263

Sweetspot

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



29.7759, 22.5362, 97.3883



68.2421, 68.5285, 104.2383



56.9242, 80.6188, 94.7660



13.8112, 13.7292, 22.1720



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.



29.7759, 22.5362, 97.3883



24.1835, 15.5858, 96.3415



37.9484, 24.5325, 97.3429



17.1366, 17.6447, 22.7525



9.6397, 4.1889, 49.7351



0.9816, 0.4939, 4.8569

Inverse Universe

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



49.1446, 32.0253, 20.1145



45.2882, 26.5253, 12.0072



60.3563, 83.9228, 25.5901



18.0768, 18.0140, 19.0217



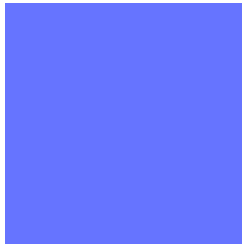
21.6539, 11.1508, 1.5618



2.1301, 1.0944, 0.2664

Previews

White Background



This preview shows how the XYZ color 29.7749, 22.5356, 97.3882 looks on a white background.

Color Contrast Check

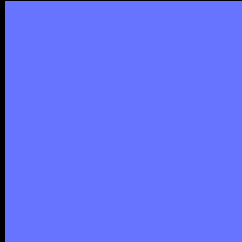
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7749, 22.5356, 97.3882 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 29.7749, 22.5356, 97.3882

Background



This preview shows how black text looks on a background with the XYZ color 29.7749, 22.5356, 97.3882.



This preview shows how white text looks on a background with the XYZ color 29.7749, 22.5356,

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

29.7749, 22.5356, 97.3882

Protanopia

26.7775, 22.7947, 97.5962

Deuteranopia

22.9530, 22.6013, 79.4967



Tritanopia

16.9983, 22.4581, 33.5759

Trichromacy



Original Color

29.7749, 22.5356, 97.3882

Protanomaly

27.3934, 22.3680, 97.4814

Deuteranomaly

24.0805, 21.8633, 85.3889

Tritanomaly

20.3543, 21.8705, 51.8638

Monochromacy



Original Color

29.7749, 22.5356, 97.3882

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 29.7749, 22.5356, 97.3882 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, 116, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 116, 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, 116, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 116, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.7749, 22.5356, 97.3882 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, 116, 255) }
```


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

```
.border{ border-color:rgb(102, 116, 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, 116, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 116, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 116, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 116,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7749, 22.5356, 97.3882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 116, 255) }
```

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

```
.background{ background-color: rgb(102,  
116, 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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