

Converting Colors

XYZ(29.4014, 22.2100, 86.9387)

Have a look what the booklet for
XYZ(29.4014, 22.2100, 86.9387)
contains.

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Color

**XYZ(29.3804, 22.2273,
86.7462)**

Conversions

Conversions Part 1

Format	Color
Hex	7572F2
RGB	117, 114, 242
RGB Percent	46%, 45%, 95%
CMY	0.5412, 0.5529, 0.0510
CMYK	0.52, 0.53, 0.00, 0.05
HSL	241°, 83%, 70%
HSV	241°, 53%, 95%
XYZ	29.3804, 22.2273, 86.7462
YIQ	129.4890, -39.3000, 40.4440

Conversions

Conversions Part 2

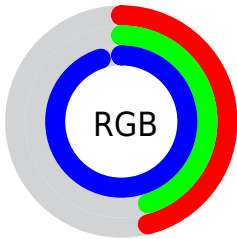
Format	Color
R _Y B	117, 114, 242
Decimal	7697138
CIE Lab	54.27, 35.20, -64.26
CIE LCh	54, 73.264, 298.711
Yxy	22.2273, 0.2124, 0.1607
Android (android.graphics.Color)	4285887218 (0xFF7572F2)
YUV	129.4890, 55.4679, -10.9529
Hunter-Lab	47.1458, 28.7326, -76.0888

Details

The XYZ color **29.3804, 22.2273, 86.7462** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **70.3849, 83.0696, 28.2443**, and the grayscale version is **20.8598, 21.9461, 23.8993**.

A 20% lighter version of the original color is **49.5907, 43.7225, 100.4333**, and **12.1734, 8.1561, 46.8316** is the 20% darker color. If you saturate the color by 10%, you get **24.2186, 16.0363, 85.8238**, and if you desaturate by 10%, it is **36.0674, 30.2766, 87.9479**.

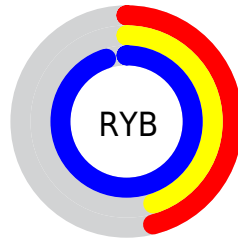
Distribution



Red (46%)

Green (45%)

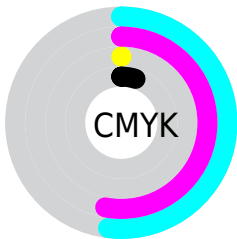
Blue (95%)



Red (46%)

Yellow (45%)

Blue (95%)

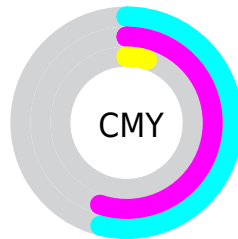


Cyan (52%)

Magenta (53%)

Yellow (0%)

Black (5%)



Cyan (54%)

Magenta (55%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3804, 22.2273, 86.7462 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 29.3804, 22.2273, 86.7462 by changing the saturation by 10% instead.

■ 29.3804, 22.2273,
86.7462

■ 29.3804, 22.2273,
86.7462

290.9675,
263.7310, 537.6831

■ 19.5145, 14.0240,
64.7268

■ 58.0743, 47.1214,
144.7061

■ 12.1488, 8.1374,
46.7896

■ 77.6330, 64.5810,
181.4836

■ 6.9180, 4.1830,
32.5162

■ 101.1534, 85.8948,
224.0176

■ 3.4568, 1.7764,
21.4880

■ 129.0008,
111.4472, 272.7265

■ 1.3997, 0.4724,
13.2865

161.5405,
141.6227, 328.0290

■ 0.2560, 0.0000,
7.4931

199.1380,

■ 0.0000, 0.0000,

176.8055, 390.3436

3.6892

242.1585,
217.3802, 460.0887

■ 0.0000, 0.0000,
1.4565

■ 0.0000, 0.0000,
0.1852

■ 29.3804, 22.2273,
86.7462

■ 29.3804, 22.2273,
86.7462

■ 24.2186, 16.0363,
85.8238

■ 36.0674, 30.2766,
87.9479

■ 20.4593, 11.5533,
85.1566

■ 44.3838, 40.3143,
89.4471

■ 17.9656, 8.6080,
84.7195

■ 54.4278, 52.4614,
91.2623

■ 16.5722, 6.9940,
84.4814

■ 66.2892, 66.8285,
93.4103

■ 16.0982, 6.4475,
84.4009

■ 80.0515, 83.5187,
95.9065

■ 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



20.7834, 22.2273, 99.9851



29.3804, 22.2273, 86.7462



37.1226, 22.2273, 54.9166

Triad

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



29.3804, 22.2273, 86.7462



30.1308, 22.2273, 2.7306



9.2070, 22.2273, 23.2276

Complementary

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



29.3804, 22.2273, 86.7462



70.3849, 83.0696, 28.2443

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.



10.5466, 22.2273, 7.8106



29.3804, 22.2273, 86.7462



21.4731, 22.2273, 1.4963

Square

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



29.3804, 22.2273, 86.7462



37.6270, 22.2273, 8.6433



14.5841, 22.2273, 2.5065



10.3311, 22.2273, 52.0158

Rectangle

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



29.3804, 22.2273, 86.7462



40.0093, 22.2273, 33.8543



14.5841, 22.2273, 2.5065



9.3763, 22.2273, 16.5841

Sweetspot

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



29.3814, 22.2280, 86.7468



70.2179, 69.8854, 104.3961



54.0877, 72.2304, 95.0961



14.4319, 14.2344, 22.2368



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.



29.3814, 22.2280, 86.7468



27.1340, 17.8912, 96.6310



40.8982, 28.1651, 87.2858



14.9316, 15.2464, 19.8775



8.6638, 3.4717, 45.3414



0.7327, 0.2950, 3.7725

Inverse Universe

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



58.2150, 37.1440, 85.7596



62.7226, 36.3073, 95.1584



52.6642, 73.9342, 27.4149



16.4373, 16.0246, 19.8591



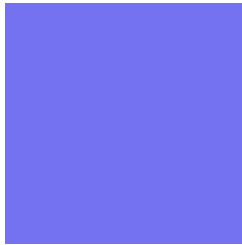
27.8376, 13.4075, 43.9226



2.3209, 1.1174, 3.6806

Previews

White Background



This preview shows how the XYZ color 29.3804, 22.2273, 86.7462 looks on a white background.

Color Contrast Check

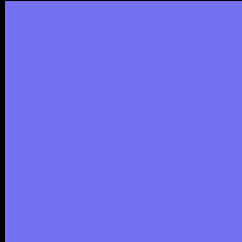
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3804, 22.2273, 86.7462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

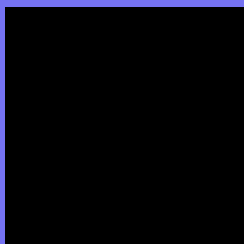
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3804, 22.2273, 86.7462

Background



This preview shows how black text looks on a background with the XYZ color 29.3804, 22.2273, 86.7462.

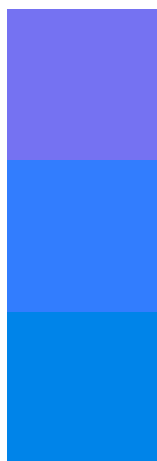


This preview shows how white text looks on a background with the XYZ color 29.3804, 22.2273,

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

29.3804, 22.2273, 86.7462

Protanopia

26.5384, 22.5011, 96.7104

Deuteranopia

22.9592, 22.3857, 80.2016



Tritanopia

18.2214, 22.0557, 31.3138

Trichromacy



Original Color

29.3804, 22.2273, 86.7462

Protanomaly

26.9167, 22.0327, 93.2766

Deuteranomaly

23.4702, 21.2370, 82.2190

Tritanomaly

21.3308, 21.6746, 47.3153

Monochromacy



Original Color

29.3804, 22.2273, 86.7462

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.9208, 21.6776, 41.0063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3804, 22.2273, 86.7462 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(117, 114, 242)` looks like.

```
.text, #text, p{  
    color:rgb(117, 114, 242)  
}
```

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(117, 114, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 114, 242) }
```

Border

The CSS property to change the border of an element to XYZ 29.3804, 22.2273, 86.7462 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(117, 114, 242) }
```


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

```
.border{ border-color:rgb(117, 114, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 114, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 114, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 114, 242);  
box-shadow:4px 4px 4px 4px rgb(117, 114,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3804, 22.2273, 86.7462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 114, 242) }
```

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

```
.background{ background-color: rgb(117,  
114, 242) }
```

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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