

Converting Colors

XYZ(27.5615, 22.8937, 75.8007)

Have a look what the booklet for
XYZ(27.5615, 22.8937, 75.8007)
contains.

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Color

**XYZ(27.5068, 22.9099,
75.6453)**

Conversions

Conversions Part 1

Format	Color
Hex	707AE3
RGB	112, 122, 227
RGB Percent	44%, 48%, 89%
CMY	0.5608, 0.5216, 0.1098
CMYK	0.51, 0.46, 0.00, 0.11
HSL	235°, 67%, 66%
HSV	235°, 51%, 89%
XYZ	27.5068, 22.9099, 75.6453
YIQ	130.9800, -39.6650, 30.5350

Conversions

Conversions Part 2

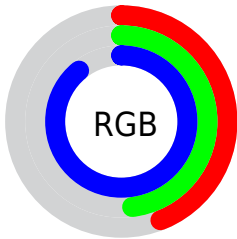
Format	Color
RYB	112, 121, 227
Decimal	7371491
CIELab	54.98, 24.78, -54.76
CIELCh	55, 60.103, 294.351
Yxy	22.9099, 0.2182, 0.1817
Android (android.graphics.Color)	4285561571 (0xFF707AE3)
YUV	130.9800, 47.3379, -16.6455
Hunter-Lab	47.8643, 18.8184, -60.1976

Details

The XYZ color **27.5068, 22.9099, 75.6453** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **59.4178, 67.1291, 25.1565**, and the grayscale version is **21.4138, 22.5289, 24.5340**.

A 20% lighter version of the original color is **49.7636, 46.0382, 100.8712**, and **11.1647, 8.5416, 39.5883** is the 20% darker color. If you saturate the color by 10%, you get **22.6948, 17.0459, 74.7675**, and if you desaturate by 10%, it is **33.5913, 30.2361, 76.7392**.

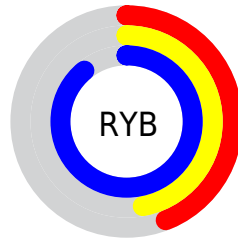
Distribution



Red (44%)

Green (48%)

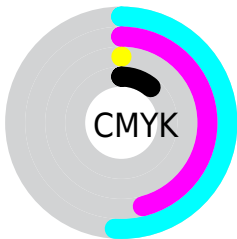
Blue (89%)



Red (44%)

Yellow (47%)

Blue (89%)

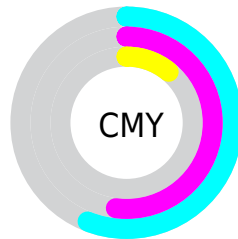


Cyan (51%)

Magenta (46%)

Yellow (0%)

Black (11%)



Cyan (56%)

Magenta (52%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5068, 22.9099, 75.6453 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 27.5068, 22.9099, 75.6453 by changing the saturation by 10% instead.

■ 27.5068, 22.9099,
75.6453

■ 27.5068, 22.9099,
75.6453

282.2257,
267.2619, 499.4471

■ 18.0928, 14.5270,
55.6368

■ 55.1102, 48.2453,
128.9809

■ 11.1167, 8.4881,
39.5098

■ 74.0303, 65.9667,
163.1450

■ 6.2133, 4.4088,
26.8456

■ 96.8498, 87.5696,
202.8648

■ 3.0171, 1.9048,
17.2259

123.9341,
113.4385, 248.5588

■ 1.1628, 0.5513,
10.2320

155.6484,
143.9578, 300.6454

■ 0.0767, 0.0000,
5.4455

192.3582,

■ 0.0000, 0.0000,

179.5118, 359.5434

2.4477

234.4289,
220.4851, 425.6711

■ 0.0000, 0.0000,
0.8122

■ 0.0000, 0.0000,
0.0000

■ 27.5068, 22.9099,
75.6453

■ 27.5068, 22.9099,
75.6453

■ 22.6948, 17.0459,
74.7675

■ 33.5913, 30.2361,
76.7392

■ 19.0619, 12.5434,
74.0899

■ 41.0273, 39.1114,
78.0604

■ 16.5064, 9.2925,
73.5971

■ 49.8906, 49.6188,
79.6214

■ 14.9075, 7.1650,
73.2708

■ 60.2506, 61.8345,
81.4332

■ 14.1107, 6.0370,
73.0950

■ 72.1720, 75.8300,
83.5063

■ 85.7159, 91.6727,
85.8504

■ 90.8652, 98.3261,
86.8632

Harmonies

Analogous

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



20.5362, 22.9099, 82.3081



27.5068, 22.9099, 75.6453



33.9568, 22.9099, 53.0823

Triad

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



27.5068, 22.9099, 75.6453



30.1437, 22.9099, 5.4126



11.3382, 22.9099, 21.4991

Complementary

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



27.5068, 22.9099, 75.6453



59.4178, 67.1291, 25.1565

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.



12.9230, 22.9099, 9.0707



27.5068, 22.9099, 75.6453



23.0630, 22.9099, 3.3335

Square

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



27.5068, 22.9099, 75.6453



35.6841, 22.9099, 12.6523



16.9008, 22.9099, 4.2085



12.0512, 22.9099, 43.3752

Rectangle

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



27.5068, 22.9099, 75.6453



36.6178, 22.9099, 36.2306



16.9008, 22.9099, 4.2085



11.6079, 22.9099, 16.2862

Sweetspot

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



27.5078, 22.9107, 75.6459



72.2039, 73.1591, 104.9233



46.4823, 63.3157, 74.3994



14.8468, 14.9422, 22.3516



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.



27.5078, 22.9107, 75.6459



29.1468, 21.7019, 97.2604



33.7613, 24.4052, 75.6047



13.6830, 14.0875, 18.1423



8.2644, 3.5909, 42.6407



0.6457, 0.3353, 3.1626

Inverse Universe

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



40.9865, 29.3258, 21.9131



48.7236, 31.4608, 19.1188



49.4509, 65.9326, 25.4508



14.4276, 14.3882, 15.1862



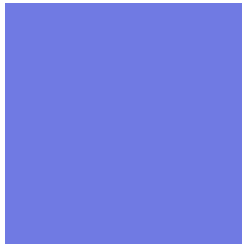
18.5650, 9.5602, 1.3383



1.3895, 0.7135, 0.1918

Previews

White Background



This preview shows how the XYZ color 27.5068, 22.9099, 75.6453 looks on a white background.

Color Contrast Check

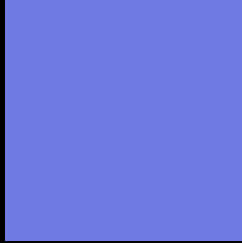
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5068, 22.9099, 75.6453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

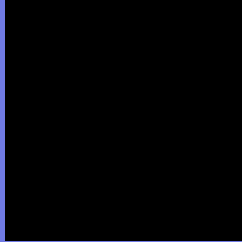
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.5068, 22.9099, 75.6453

Background



This preview shows how black text looks on a background with the XYZ color 27.5068, 22.9099, 75.6453.



This preview shows how white text looks on a background with the XYZ color 27.5068, 22.9099,

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

27.5068, 22.9099, 75.6453

Protanopia

25.9068, 23.1154, 80.1871

Deuteranopia

23.9026, 23.2034, 74.4531



Tritanopia

18.8430, 22.7743, 32.6809

Trichromacy



Original Color

27.5068, 22.9099, 75.6453

Protanomaly

26.3989, 23.0184, 78.6529

Deuteranomaly

24.8860, 22.8970, 75.0594

Tritanomaly

21.4540, 22.5711, 45.8737

Monochromacy



Original Color

27.5068, 22.9099, 75.6453

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.9143, 22.4766, 39.2071

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5068, 22.9099, 75.6453 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(112, 122, 227)` looks like.

```
.text, #text, p{  
    color:rgb(112, 122, 227)  
}
```

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(112, 122, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 122, 227) }
```

Border

The CSS property to change the border of an element to XYZ 27.5068, 22.9099, 75.6453 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(112, 122, 227) }
```


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

```
.border{ border-color:rgb(112, 122, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 122, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 122, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 122, 227);  
box-shadow:4px 4px 4px 4px rgb(112, 122,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5068, 22.9099, 75.6453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 122, 227) }
```

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

```
.background{ background-color: rgb(112,  
122, 227) }
```

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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