

Converting Colors

XYZ(28.4880, 22.9920, 72.0447)

Have a look what the booklet for
XYZ(28.4880, 22.9920, 72.0447)
contains.

XYZ(28.5340, 22.9796, 72.0388)	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(28.5340, 22.9796,
72.0388)**

Conversions

Conversions Part 1

Format	Color
Hex	7F77DE
RGB	127, 119, 222
RGB Percent	50%, 47%, 87%
CMY	0.5019, 0.5333, 0.1294
CMYK	0.43, 0.46, 0.00, 0.13
HSL	245°, 61%, 67%
HSV	245°, 46%, 87%
XYZ	28.5340, 22.9796, 72.0388
YIQ	133.1340, -28.2950, 33.7290

Conversions

Conversions Part 2

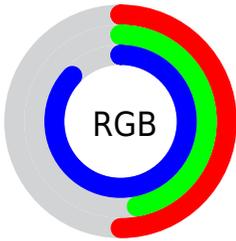
Format	Color
RYB	127, 119, 222
Decimal	8353758
CIELab	55.05, 28.54, -51.77
CIELCh	55, 59.116, 298.865
Yxy	22.9796, 0.2309, 0.1860
Android (android.graphics.Color)	4286543838 (0xFF7F77DE)
YUV	133.1340, 43.8109, -5.3795
Hunter-Lab	47.9370, 22.3603, -55.5439

Details

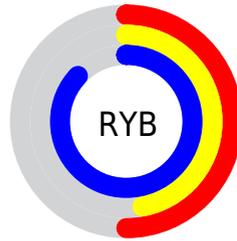
The XYZ color **28.5340, 22.9796, 72.0388** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **57.1825, 67.8708, 27.5399**, and the grayscale version is **22.1968, 23.3527, 25.4311**.

A 20% lighter version of the original color is **52.3801, 46.5362, 100.8294**, and **11.6620, 8.5617, 37.1143** is the 20% darker color. If you saturate the color by 10%, you get **23.4482, 16.8834, 71.1306**, and if you desaturate by 10%, it is **34.8583, 30.6308, 73.1828**.

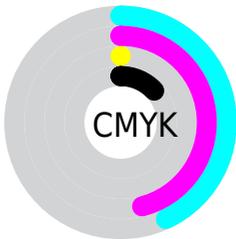
Distribution



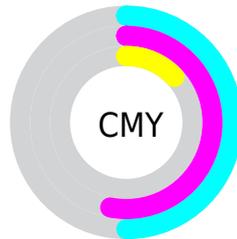
- Red (50%)
- Green (47%)
- Blue (87%)



- Red (50%)
- Yellow (47%)
- Blue (87%)



- Cyan (43%)
- Magenta (46%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (53%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5340, 22.9796, 72.0388 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 28.5340, 22.9796, 72.0388 by changing the saturation by 10% instead.

■ 28.5340, 22.9796,
72.0388

■ 28.5340, 22.9796,
72.0388

287.0439,
267.6202, 486.6578

■ 18.8711, 14.5784,
52.7033

■ 56.7386, 48.3598,
123.8199

■ 11.6806, 8.5241,
37.1799

■ 76.0110, 66.1077,
157.1027

■ 6.5972, 4.4321,
25.0499

■ 99.2172, 87.7399,
195.8716

■ 3.2556, 1.9181,
15.8949

126.7227,
113.6409, 240.5452

■ 1.2903, 0.5592,
9.2963

158.8927,
144.1950, 291.5421

■ 0.1760, 0.0000,
4.8355

196.0927,

■ 0.0000, 0.0000,

179.7867, 349.2808

2.0940

238.6880,
220.8003, 414.1799

■ 0.0000, 0.0000,
0.6122

■ 0.0000, 0.0000,
0.0000

■ 28.5340, 22.9796,
72.0388

■ 28.5340, 22.9796,
72.0388

■ 23.4482, 16.8834,
71.1306

■ 34.8583, 30.6308,
73.1828

■ 19.5167, 12.2332,
70.4403

■ 42.4924, 39.9312,
74.5756

■ 16.6493, 8.9096,
69.9499

■ 51.5052, 50.9704,
76.2313

■ 14.7410, 6.7730,
69.6380

■ 61.9603, 63.8308,
78.1626

■ 13.6635, 5.6496,
69.4780

■ 73.9170, 78.5895,
80.3811

■ 13.4205, 5.3954,
69.4417

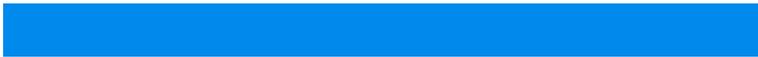
■ 87.4316, 95.3193,
82.8980

■ 90.1849, 98.0540,
83.2807

Harmonies

Analogous

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



21.5919, 22.9796, 81.5208



28.5340, 22.9796, 72.0388



34.5549, 22.9796, 48.8120

Triad

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



28.5340, 22.9796, 72.0388



29.0555, 22.9796, 5.0592



11.4793, 22.9796, 24.3104

Complementary

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



28.5340, 22.9796, 72.0388



57.1825, 67.8708, 27.5399

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.



12.7054, 22.9796, 10.5762



28.5340, 22.9796, 72.0388



22.0928, 22.9796, 3.4681

Square

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



28.5340, 22.9796, 72.0388



34.8961, 22.9796, 11.2914



16.2868, 22.9796, 4.8161



12.5317, 22.9796, 46.8980

Rectangle

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



28.5340, 22.9796, 72.0388



36.7502, 22.9796, 32.6883



16.2868, 22.9796, 4.8161



11.6334, 22.9796, 18.6573

Sweetspot

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



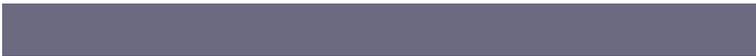
28.5349, 22.9804, 72.0394



73.6066, 73.5809, 104.9308



45.1275, 57.8652, 77.8983



15.1242, 14.9749, 22.3433



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.



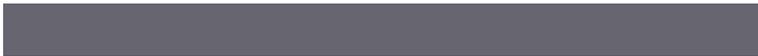
28.5349, 22.9804, 72.0394



32.0768, 23.0852, 97.3730



37.9973, 27.8584, 72.4822



13.0502, 13.2939, 17.2658



8.0075, 3.2234, 41.2485



0.5900, 0.2414, 2.8607

Inverse Universe

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



48.8589, 33.5788, 67.5236



63.3711, 39.4185, 89.7815



44.6859, 61.4285, 26.9551



14.2467, 13.9163, 17.0691



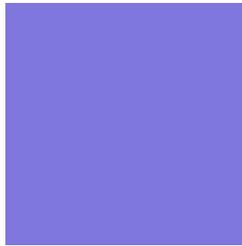
24.4397, 11.8429, 35.3111



1.7079, 0.8264, 2.5205

Previews

White Background



This preview shows how the XYZ color 28.5340, 22.9796, 72.0388 looks on a white background.

Color Contrast Check

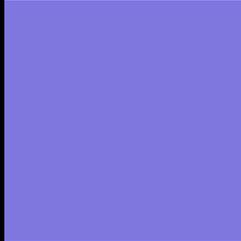
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5340, 22.9796, 72.0388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

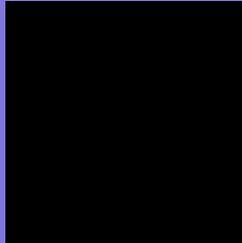
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5340, 22.9796, 72.0388

Background



This preview shows how black text looks on a background with the XYZ color 28.5340, 22.9796, 72.0388.



This preview shows how white text looks on a background with the XYZ color 28.5340, 22.9796,

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

28.5340, 22.9796, 72.0388

Protanopia

25.8893, 23.1392, 78.7031

Deuteranopia

23.7851, 23.0335, 70.2101



Tritanopia

20.2550, 22.9030, 30.9569

Trichromacy



Original Color

28.5340, 22.9796, 72.0388

Protanomaly

26.5927, 22.9780, 76.4324

Deuteranomaly

25.0218, 22.6732, 70.7677

Tritanomaly

22.6928, 22.6661, 43.2234

Monochromacy



Original Color

28.5340, 22.9796, 72.0388

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.8708, 22.9802, 38.7748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5340, 22.9796, 72.0388 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(127, 119, 222)` looks like.

```
.text, #text, p{  
    color:rgb(127, 119, 222)  
}
```

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(127, 119, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 119, 222) }
```

Border

The CSS property to change the border of an element to XYZ 28.5340, 22.9796, 72.0388 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(127, 119, 222) }
```

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

```
.border{ border-color:rgb(127, 119, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 119, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 119, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 119, 222);  
box-shadow:4px 4px 4px 4px rgb(127, 119,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5340, 22.9796, 72.0388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 119, 222) }
```

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

```
.background{ background-color: rgb(127,  
119, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor