

Converting Colors

XYZ(29.4582, 22.7183, 97.4402)

Have a look what the booklet for
XYZ(29.4582, 22.7183, 97.4402)
contains.

XYZ(29.4582, 22.7183, 97.4402)	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(29.4582, 22.7183,
97.4402)**

Conversions

Conversions Part 1

Format	Color
Hex	6176FF
RGB	97, 118, 255
RGB Percent	38%, 46%, 100%
CMY	0.6196, 0.5373, 0.0000
CMYK	0.62, 0.54, 0.00, 0.00
HSL	232°, 100%, 69%
HSV	232°, 62%, 100%
XYZ	29.4582, 22.7183, 97.4402
YIQ	127.3390, -56.4930, 38.1550

Conversions

Conversions Part 2

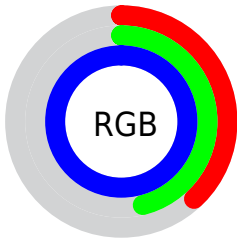
Format	Color
R _Y B	97, 116, 255
Decimal	6387455
CIE Lab	54.78, 33.28, -70.70
CIE LCh	55, 78.138, 295.208
Yxy	22.7183, 0.1969, 0.1518
Android (android.graphics.Color)	4284577535 (0xFF6176FF)
YUV	127.3390, 62.9369, -26.6073
Hunter-Lab	47.6637, 26.9091, -87.8435

Details

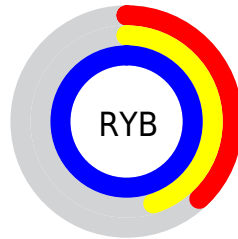
The XYZ color **29.4582, 22.7183, 97.4402** is a light color, and the websafe version is hex **3366FF**. A complement of this color would be **72.8230, 80.9731, 23.1025**, and the grayscale version is **20.0947, 21.1412, 23.0227**.

A 20% lighter version of the original color is **46.9219, 43.4430, 100.5200**, and **12.2682, 8.4115, 53.8003** is the 20% darker color. If you saturate the color by 10%, you get **24.8587, 16.9244, 96.5643**, and if you desaturate by 10%, it is **35.5428, 30.1839, 98.5605**.

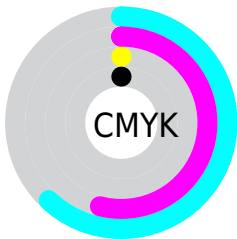
Distribution



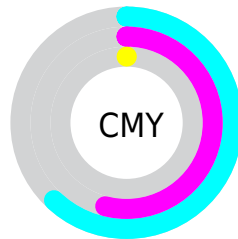
- Red (38%)
- Green (46%)
- Blue (100%)



- Red (38%)
- Yellow (45%)
- Blue (100%)



- Cyan (62%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4582, 22.7183, 97.4402 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 29.4582, 22.7183, 97.4402 by changing the saturation by 10% instead.

■ 29.4582, 22.7183,
97.4402

■ 29.4582, 22.7183,
97.4402

291.3261,
266.2748, 573.1305

■ 19.5737, 14.3856,
73.5595

■ 58.1968, 47.9304,
159.6560

■ 12.1920, 8.3894,
53.9390

■ 77.7817, 65.5786,
198.8283

■ 6.9477, 4.3451,
38.1601

■ 101.3307, 87.1007,
243.9348

■ 3.4755, 1.8684,
25.8041

129.2093,
112.8812, 295.3941

■ 1.4099, 0.5293,
16.4527

161.7828,
143.3045, 353.6249

■ 0.2633, 0.0000,
9.6873

199.4165,

■ 0.0000, 0.0000,

178.7549, 419.0455

5.0892

242.4758,
219.6169, 492.0745

■ 0.0000, 0.0000,
2.2401

■ 0.0000, 0.0000,
0.6973

■ 29.4582, 22.7183,
97.4402

■ 29.4582, 22.7183,
97.4402

■ 24.8587, 16.9244,
96.5643

■ 35.5428, 30.1839,
98.5605

■ 21.6110, 12.6689,
95.9141

■ 43.2241, 39.4365,
99.9416

■ 19.5621, 9.8003,
95.4684

■ 52.6066, 50.5831,
101.5986

■ 18.6187, 8.3573,
95.2396

■ 63.7847, 63.7219,
103.5455

■ 76.8459, 78.9439,
105.7952

■ 91.8720, 96.3349,
108.3601

■ 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.



20.2366, 22.7183, 108.7222



29.4582, 22.7183, 97.4402



38.2848, 22.7183, 62.9596

Triad

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



29.4582, 22.7183, 97.4402



32.5106, 22.7183, 2.6372



8.9207, 22.7183, 20.9759

Complementary

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



29.4582, 22.7183, 97.4402



72.8230, 80.9731, 23.1025

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.



10.6329, 22.7183, 6.3234



29.4582, 22.7183, 97.4402



23.0088, 22.7183, 1.1729

Square

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



29.4582, 22.7183, 97.4402



40.3510, 22.7183, 9.5162



15.2695, 22.7183, 1.8417



9.7919, 22.7183, 50.9943

Rectangle

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



29.4582, 22.7183, 97.4402



41.9343, 22.7183, 38.9582



15.2695, 22.7183, 1.8417



9.1963, 22.7183, 14.4805

Sweetspot

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



29.4592, 22.7189, 97.4403



67.4477, 68.0029, 104.1787



55.5325, 79.9986, 90.3069



13.6777, 13.6686, 22.1674



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.



29.4592, 22.7189, 97.4403



24.0901, 15.9348, 96.4138



35.8312, 22.7334, 97.1072



17.1975, 17.7667, 22.7729



9.7880, 4.4856, 49.7845



1.0103, 0.5512, 4.8664

Inverse Universe

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



48.7855, 31.1189, 20.5751



45.1102, 25.9534, 12.6140



60.9623, 84.2630, 24.3626



18.1076, 18.0264, 19.1838



21.7287, 11.1808, 1.9560



2.1445, 1.1002, 0.3426

Previews

White Background



This preview shows how the XYZ color 29.4582, 22.7183, 97.4402 looks on a white background.

Color Contrast Check

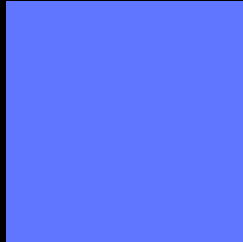
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4582, 22.7183, 97.4402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

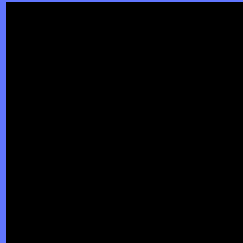
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4582, 22.7183, 97.4402

Background



This preview shows how black text looks on a background with the XYZ color 29.4582, 22.7183, 97.4402.



This preview shows how white text looks on a background with the XYZ color 29.4582, 22.7183,

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

29.4582, 22.7183, 97.4402

Protanopia

26.8761, 22.8455, 97.6008

Deuteranopia

22.9530, 22.6013, 79.4967



Tritanopia

16.8210, 22.5694, 34.4801

Trichromacy



Original Color

29.4582, 22.7183, 97.4402

Protanomaly

27.5169, 22.6149, 97.5226

Deuteranomaly

24.1405, 22.0869, 85.4289

Tritanomaly

20.0434, 21.9018, 52.4613

Monochromacy



Original Color

29.4582, 22.7183, 97.4402

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

22.0501, 21.1843, 42.9712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4582, 22.7183, 97.4402 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(97, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 118, 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(97, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 29.4582, 22.7183, 97.4402 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(97, 118, 255) }
```


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

```
.border{ border-color:rgb(97, 118, 255) }
```

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

Here you see how a box with a 4 pixel rgb(97, 118, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4582, 22.7183, 97.4402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 118, 255) }
```

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

```
.background{ background-color: rgb(97, 118,  
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](#).

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