

Converting Colors

XYZ(22.3210, 14.5384, 96.2376)

Have a look what the booklet for
XYZ(22.3210, 14.5384, 96.2376)
contains.

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Color

**XYZ(22.2949, 14.4677,
96.2252)**

Conversions

Conversions Part 1

Format	Color
Hex	2757FF
RGB	39, 87, 255
RGB Percent	15%, 34%, 100%
CMY	0.8470, 0.6588, 0.0000
CMYK	0.85, 0.66, 0.00, 0.00
HSL	227°, 100%, 58%
HSV	227°, 85%, 100%
XYZ	22.2949, 14.4677, 96.2252
YIQ	91.8000, -82.5360, 42.0720

Conversions

Conversions Part 2

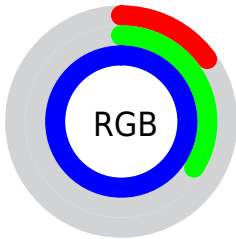
Format	Color
R _Y B	39, 78, 255
Decimal	2578431
CIE Lab	44.90, 45.88, -86.93
CIE LCh	45, 98.297, 297.821
Yxy	14.4677, 0.1676, 0.1088
Android (android.graphics.Color)	4280768511 (0xFF2757FF)
YUV	91.8000, 80.4576, -46.3056
Hunter-Lab	38.0364, 38.0633, -123.3673

Details

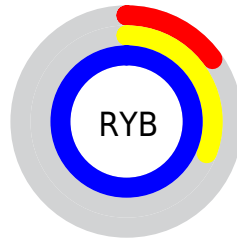
The XYZ color **22.2949, 14.4677, 96.2252** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark washed blue. A complement of this color would be **63.9261, 66.0457, 11.3005**, and the grayscale version is **9.9635, 10.4824, 11.4153**.

A 20% lighter version of the original color is **35.4531, 29.4713, 98.4277**, and **10.9060, 5.6871, 53.3462** is the 20% darker color. If you saturate the color by 10%, you get **20.2406, 11.3432, 95.7304**, and if you desaturate by 10%, it is **25.4391, 18.8085, 96.8974**.

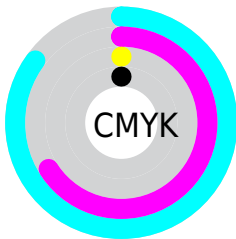
Distribution



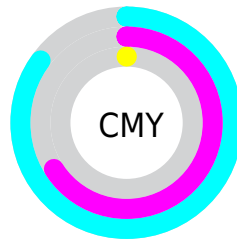
- Red (15%)
- Green (34%)
- Blue (100%)



- Red (15%)
- Yellow (31%)
- Blue (100%)



- Cyan (85%)
- Magenta (66%)
- Yellow (0%)
- Black (0%)



- Cyan (85%)
- Magenta (66%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2949, 14.4677, 96.2252 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 22.2949, 14.4677, 96.2252 by changing the saturation by 10% instead.

■ 22.2949, 14.4677,
96.2252

■ 22.2949, 14.4677,
96.2252

256.6860,
220.1213, 569.1642

■ 14.1916, 8.4467,
72.5526

■ 46.7082, 33.9166,
157.9663

■ 8.3366, 4.3821,
53.1206

■ 63.7488, 48.1133,
196.8719

■ 4.3647, 1.8895,
37.5107

■ 84.4992, 65.8040,
241.6922

■ 1.9105, 0.5421,
25.3043

■ 109.3248, 87.3731,
292.8459

■ 0.5829, 0.0000,
16.0828

■ 138.5909,
113.2050, 350.7513

■ 0.0000, 0.0000,
9.4278

172.6629,

■ 0.0000, 0.0000,

143.6840, 415.8272

4.9206

211.9062,
179.1947, 488.4919

■ 0.0000, 0.0000,
2.1428

■ 0.0000, 0.0000,
0.6411

■ 22.2949, 14.4677,
96.2252

■ 22.2949, 14.4677,
96.2252

■ 20.2406, 11.3432,
95.7304

■ 25.4391, 18.8085,
96.8974

■ 19.4954, 10.1109,
95.5318

■ 29.8158, 24.4886,
97.7630

■ 35.5466, 31.6147,
98.8365

■ 42.7373, 40.2819,
100.1304

■ 51.4827, 50.5767,
101.6566

■ 61.8693, 62.5790,
103.4258

■ 73.9773, 76.3633,
105.4483

■ 87.8812, 91.9996,
107.7336

■ 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.



13.1721, 14.4677, 114.2267



22.2949, 14.4677, 96.2252



31.4093, 14.4677, 53.0169

Triad

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



22.2949, 14.4677, 96.2252



23.7286, 14.4677, 0.0000



3.3698, 14.4677, 14.1299

Complementary

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



22.2949, 14.4677, 96.2252



63.9261, 66.0457, 11.3005

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.



4.3820, 14.4677, 1.9857



22.2949, 14.4677, 96.2252



14.3469, 14.4677, 0.0000

Square

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



22.2949, 14.4677, 96.2252



32.4391, 14.4677, 2.8120



7.7277, 14.4677, 0.0000



4.1136, 14.4677, 46.7391

Rectangle

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



22.2949, 14.4677, 96.2252



35.0547, 14.4677, 27.0518



7.7277, 14.4677, 0.0000



3.5033, 14.4677, 8.1410

Sweetspot

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



22.2957, 14.4679, 96.2252



61.5284, 62.1880, 103.3683



47.5696, 76.3406, 69.7366



12.3513, 12.3695, 21.9865



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.



22.2957, 14.4679, 96.2252



19.4954, 10.1109, 95.5318



23.6656, 11.1932, 95.5209



17.3302, 18.0319, 22.8171



10.2766, 5.4628, 49.9474



1.0775, 0.6857, 4.8888

Inverse Universe

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



43.6866, 23.4008, 11.2307



41.9696, 21.5518, 5.7720



59.2593, 83.5920, 14.9333



18.1745, 18.0531, 19.5363



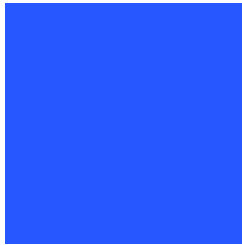
21.9754, 11.2794, 3.2548



2.1785, 1.1138, 0.5213

Previews

White Background



This preview shows how the XYZ color 22.2949, 14.4677, 96.2252 looks on a white background.

Color Contrast Check

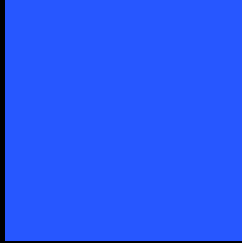
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.2949, 14.4677, 96.2252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

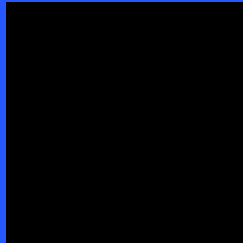
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2949, 14.4677, 96.2252

Background



This preview shows how black text looks on a background with the XYZ color 22.2949, 14.4677, 96.2252.



This preview shows how white text looks on a background with the XYZ color 22.2949, 14.4677,

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

22.2949, 14.4677, 96.2252

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

13.9098, 14.1440, 46.7967



Tritanopia

9.9364, 14.1526, 20.9469

Trichromacy



Original Color

22.2949, 14.4677, 96.2252

Protanomaly

18.5068, 14.1162, 75.8780

Deuteranomaly

16.2469, 13.8112, 62.1311

Tritanomaly

12.6858, 13.3417, 40.4347

Monochromacy



Original Color

22.2949, 14.4677, 96.2252

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.9897, 10.9632, 30.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2949, 14.4677, 96.2252 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(39, 87, 255)` looks like.

```
.text, #text, p{  
    color:rgb(39, 87, 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(39, 87, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 87, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.2949, 14.4677, 96.2252 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(39, 87, 255) }
```


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

```
.border{ border-color:rgb(39, 87, 255) }
```

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

Here you see how a box with a 4 pixel rgb(39, 87, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 87, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 87, 255);  
box-shadow:4px 4px 4px 4px rgb(39, 87,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2949, 14.4677, 96.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 87, 255) }
```

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

```
.background{ background-color: rgb(39, 87,  
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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