

Converting Colors

XYZ(22.0575, 22.6674, 89.0778)

Have a look what the booklet for
XYZ(22.0575, 22.6674, 89.0778)
contains.

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Color

**XYZ(25.2748, 24.4230,
88.9699)**

Conversions

Conversions Part 1

Format	Color
Hex	0089F4
RGB	0, 137, 244
RGB Percent	0%, 54%, 96%
CMY	0.9997, 0.4627, 0.0431
CMYK	1.00, 0.44, 0.00, 0.04
HSL	206°, 100%, 48%
HSV	206°, 100%, 96%
XYZ	25.2748, 24.4230, 88.9699
YIQ	108.2350, -115.9990, 4.2330

Conversions

Conversions Part 2

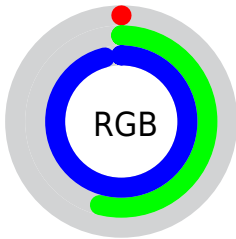
Format	Color
R_{YB}	0, 88, 244
Decimal	35316
CIE _{Lab}	56.51, 8.99, -61.96
CIE _{LCh}	57, 62.612, 278.256
Yxy	24.4230, 0.1823, 0.1761
Android (android.graphics.Color)	4278225396 (0xFF0089F4)
YUV	108.2350, 66.9321, -94.9221
Hunter-Lab	49.4196, 4.8063, -72.1457

Details

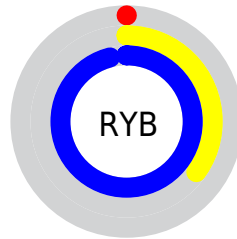
The XYZ color **25.2748, 24.4230, 88.9699** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **42.5737, 29.7631, 3.5029**, and the grayscale version is **14.1673, 14.9051, 16.2316**.

A 20% lighter version of the original color is **42.7701, 47.2981, 101.4830**, and **12.4594, 10.5673, 48.3967** is the 20% darker color. If you saturate the color by 10%, you get **25.2707, 24.4147, 88.9691**, and if you desaturate by 10%, it is **27.2607, 27.8187, 89.5213**.

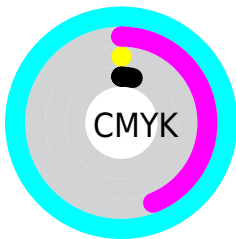
Distribution



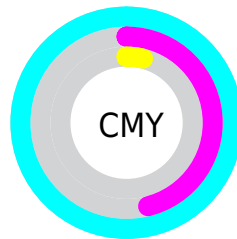
- Red (0%)
- Green (54%)
- Blue (96%)



- Red (0%)
- Yellow (35%)
- Blue (96%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (46%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.2748, 24.4230, 88.9699 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 25.2748, 24.4230, 88.9699 by changing the saturation by 10% instead.

■ 25.2748, 24.4230,
88.9699

■ 25.2748, 24.4230,
88.9699

271.5262,
274.9521, 545.1576

■ 16.4117, 15.6477,
66.5577

■ 51.5424, 50.7196,
147.8297

■ 9.9087, 9.2752,
48.2659

■ 69.6776, 69.0097,
185.1144

■ 5.4002, 4.9211,
33.6761

■ 91.6342, 91.2402,
228.1937

■ 2.5211, 2.2011,
22.3695

■ 117.7776,
117.7954, 277.4861

■ 0.9059, 0.7206,
13.9277

■ 148.4732,
149.0598, 333.4101

■ 0.0000, 0.0000,
7.9323

184.0862,

■ 0.0000, 0.0000,

185.4178, 396.3844

3.9645

224.9821,
227.2538, 466.8274

■ 0.0000, 0.0000,
1.6059

■ 0.0000, 0.0000,
0.2950

■ 25.2748, 24.4230,
88.9699

■ 25.2748, 24.4230,
88.9699

■ 25.2707, 24.4147,
88.9691

■ 27.2607, 27.8187,
89.5213

■ 29.8859, 31.7742,
90.1464

■ 33.3057, 36.3755,
90.8543

■ 37.6141, 41.6770,
91.6505

■ 42.8905, 47.7251,
92.5398

■ 49.2046, 54.5612,
93.5265

■ 56.6193, 62.2229,
94.6146

■ 65.1921, 70.7448,
95.8076

■ 74.9763, 80.1595,
97.1091

Harmonies

Analogous

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



18.4190, 24.4230, 83.6465



25.2748, 24.4230, 88.9699



32.9673, 24.4230, 71.9243

Triad

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



25.2748, 24.4230, 88.9699



35.9823, 24.4230, 8.7320



12.5165, 24.4230, 14.3670

Complementary

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



25.2748, 24.4230, 88.9699



42.5737, 29.7631, 3.5029

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.



15.6023, 24.4230, 5.9391



25.2748, 24.4230, 88.9699



28.7748, 24.4230, 4.0676

Square

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



25.2748, 24.4230, 88.9699



39.9381, 24.4230, 21.2579



21.2671, 24.4230, 3.4117



11.9631, 24.4230, 32.7523

Rectangle

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



25.2748, 24.4230, 88.9699



37.2135, 24.4230, 53.6398



21.2671, 24.4230, 3.4117



13.2556, 24.4230, 10.6236

Sweetspot

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



25.2759, 24.4237, 88.9706



62.4988, 68.6917, 104.5725



34.9415, 65.7381, 24.4209



12.6044, 13.9132, 22.2711



0.0000, 0.0000, 0.0000



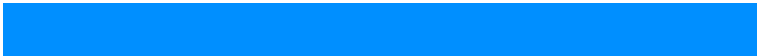
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.2759, 24.4237, 88.9706



27.8943, 26.9085, 98.3314



16.5203, 6.9126, 86.0520



16.3529, 17.4701, 21.0528



13.8793, 13.5523, 48.4224



1.3221, 1.3956, 4.2899

Inverse Universe

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



41.8246, 21.0409, 25.5241



46.2089, 23.2476, 28.0960



64.9804, 74.5764, 10.9718



16.8887, 16.6383, 19.1606



22.8101, 11.4675, 14.2404



2.0564, 1.0285, 1.5234

Previews

White Background



This preview shows how the XYZ color 25.2748, 24.4230, 88.9699 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 25.2748, 24.4230, 88.9699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

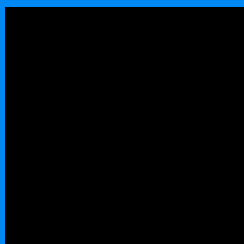
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

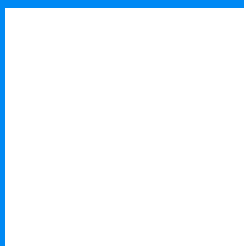
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.2748, 24.4230, 88.9699

Background



This preview shows how black text looks on a background with the XYZ color 25.2748, 24.4230, 88.9699.



This preview shows how white text looks on a background with the XYZ color 25.2748, 24.4230,

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

25.2748, 24.4230, 88.9699

Protanopia

27.2952, 24.3369, 84.1478

Deuteranopia

25.1233, 24.3624, 88.1723



Tritanopia

17.2515, 24.3508, 37.0486

Trichromacy



Original Color

25.2748, 24.4230, 88.9699

Protanomaly

25.6370, 23.8506, 85.6905

Deuteranomaly

25.1233, 24.3624, 88.1723

Tritanomaly

19.5294, 24.0124, 52.8958

Monochromacy



Original Color

25.2748, 24.4230, 88.9699

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

15.1369, 16.8932, 34.3612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.2748, 24.4230, 88.9699 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(0, 137, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 244)  
}
```

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(0, 137, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 244) }
```

Border

The CSS property to change the border of an element to XYZ 25.2748, 24.4230, 88.9699 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(0, 137, 244) }
```


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

```
.border{ border-color:rgb(0, 137, 244) }
```

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

Here you see how a box with a 4 pixel rgb(0, 137, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 25.2748, 24.4230, 88.9699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 244) }
```

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

```
.background{ background-color: rgb(0, 137,  
244) }
```

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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