

Converting Colors

XYZ(24.3284, 22.9298, 87.3885)

Have a look what the booklet for
XYZ(24.3284, 22.9298, 87.3885)
contains.

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Color

**XYZ(24.2908, 22.9198,
87.1481)**

Conversions

Conversions Part 1

Format	Color
Hex	0184F2
RGB	1, 132, 242
RGB Percent	0%, 52%, 95%
CMY	0.9958, 0.4824, 0.0510
CMYK	1.00, 0.45, 0.00, 0.05
HSL	207°, 99%, 48%
HSV	207°, 100%, 95%
XYZ	24.2908, 22.9198, 87.1481
YIQ	105.3710, -113.3860, 6.4380

Conversions

Conversions Part 2

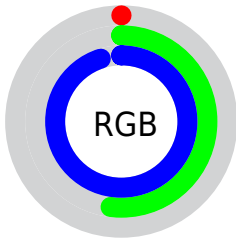
Format	Color
R _Y B	1, 86, 242
Decimal	99570
CIE Lab	54.99, 11.31, -63.30
CIE LCh	55, 64.300, 280.132
Yxy	22.9198, 0.1808, 0.1706
Android (android.graphics.Color)	4278289650 (0xFF0184F2)
YUV	105.3710, 67.3581, -91.5334
Hunter-Lab	47.8746, 6.7874, -74.4157

Details

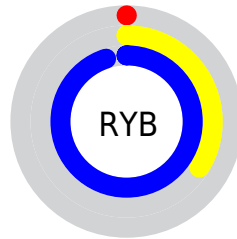
The XYZ color **24.2908, 22.9198, 87.1481** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark saturated azure. A complement of this color would be **42.3159, 30.2634, 3.6418**, and the grayscale version is **13.3786, 14.0753, 15.3280**.

A 20% lighter version of the original color is **41.4972, 44.7522, 101.0586**, and **11.9273, 9.8434, 47.1703** is the 20% darker color. If you saturate the color by 10%, you get **24.2125, 22.7816, 87.1261**, and if you desaturate by 10%, it is **26.2645, 26.2807, 87.6934**.

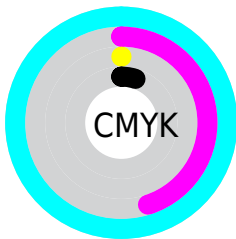
Distribution



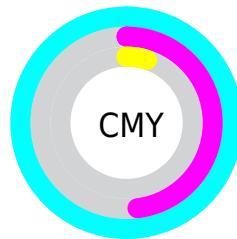
- Red (0%)
- Green (52%)
- Blue (95%)



- Red (0%)
- Yellow (34%)
- Blue (95%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (48%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2908, 22.9198, 87.1481 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 24.2908, 22.9198, 87.1481 by changing the saturation by 10% instead.

■ 24.2908, 22.9198,
87.1481

■ 24.2908, 22.9198,
87.1481

266.7007,
267.3128, 539.0382

■ 15.6754, 14.5343,
65.0574

■ 49.9556, 48.2616,
145.2712

■ 9.3841, 8.4932,
47.0560

■ 67.7356, 65.9867,
182.1408

■ 5.0517, 4.4121,
32.7253

■ 89.3012, 87.5938,
224.7738

■ 2.3127, 1.9067,
21.6467

■ 115.0178,
113.4672, 273.5886

■ 0.8011, 0.5524,
13.4017

■ 145.2507,
143.9915, 329.0040

■ 0.0000, 0.0000,
7.5718

180.3652,

■ 0.0000, 0.0000,

179.5509, 391.4383

3.7384

220.7268,
220.5299, 461.3102

■ 0.0000, 0.0000,
1.4829

■ 0.0000, 0.0000,
0.2052

■ 24.2908, 22.9198,
87.1481

■ 24.2908, 22.9198,
87.1481

■ 24.2125, 22.7816,
87.1261

■ 26.2645, 26.2807,
87.6934

■ 28.8882, 30.2191,
88.3153

■ 32.3073, 34.8168,
89.0225

■ 36.6136, 40.1276,
89.8206

■ 41.8850, 46.1978,
90.7145

■ 48.1901, 53.0688,
91.7084

■ 55.5905, 60.7781,
92.8064

■ 64.1430, 69.3605,
94.0122

■ 73.9000, 78.8486,
95.3293

Harmonies

Analogous

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



17.4426, 22.9198, 83.2312



24.2908, 22.9198, 87.1481



31.8893, 22.9198, 68.7225

Triad

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



24.2908, 22.9198, 87.1481



34.0619, 22.9198, 7.2202



11.2532, 22.9198, 13.8332

Complementary

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



24.2908, 22.9198, 87.1481



42.3159, 30.2634, 3.6418

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.



14.0776, 22.9198, 5.3458



24.2908, 22.9198, 87.1481



26.7933, 22.9198, 3.2317

Square

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



24.2908, 22.9198, 87.1481



38.2931, 22.9198, 18.6567



19.4570, 22.9198, 2.8093



10.8692, 22.9198, 32.5336

Rectangle

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



24.2908, 22.9198, 87.1481



35.9956, 22.9198, 50.1145



19.4570, 22.9198, 2.8093



11.9138, 22.9198, 10.0462

Sweetspot

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



24.2918, 22.9204, 87.1487



62.1375, 67.9691, 104.4521



34.5523, 64.6262, 25.2590



12.5187, 13.7419, 22.2426



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.



24.2918, 22.9204, 87.1487



27.2216, 25.5631, 98.1072



16.1859, 6.7085, 84.4467



15.6091, 16.6522, 20.1131



13.1455, 12.5153, 46.8507



1.1930, 1.2399, 3.9307

Inverse Universe

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



40.7947, 20.5665, 23.6496



45.8694, 23.1118, 26.3080



64.9081, 75.4478, 11.1725



16.1321, 15.9026, 18.2519



21.9609, 11.0568, 12.9765



1.8771, 0.9399, 1.3436

Previews

White Background



This preview shows how the XYZ color 24.2908, 22.9198, 87.1481 looks on a white background.

Color Contrast Check

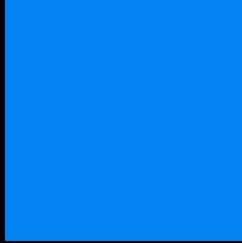
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2908, 22.9198, 87.1481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

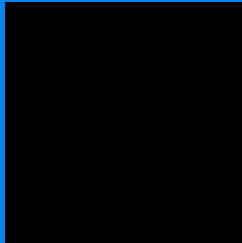
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

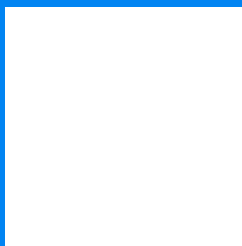
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2908, 22.9198, 87.1481

Background



This preview shows how black text looks on a background with the XYZ color 24.2908, 22.9198, 87.1481.



This preview shows how white text looks on a background with the XYZ color 24.2908, 22.9198,

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

24.2908, 22.9198, 87.1481

Protanopia

25.9360, 22.8709, 83.1683

Deuteranopia

23.3829, 22.7732, 81.7605



Tritanopia

16.1953, 22.9243, 34.5816

Trichromacy



Original Color

24.2908, 22.9198, 87.1481

Protanomaly

24.6969, 22.5855, 84.7191

Deuteranomaly

23.8201, 22.9481, 84.0629

Tritanomaly

18.4945, 22.6376, 50.4084

Monochromacy



Original Color

24.2908, 22.9198, 87.1481

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.3619, 15.8213, 33.3072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2908, 22.9198, 87.1481 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(1, 132, 242)` looks like.

```
.text, #text, p{  
    color:rgb(1, 132, 242)  
}
```

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(1, 132, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 132, 242) }
```

Border

The CSS property to change the border of an element to XYZ 24.2908, 22.9198, 87.1481 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(1, 132, 242) }
```


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

```
.border{ border-color:rgb(1, 132, 242) }
```

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

Here you see how a box with a 4 pixel rgb(1, 132, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 132, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 132, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 132,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2908, 22.9198, 87.1481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 132, 242) }
```

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

```
.background{ background-color: rgb(1, 132,  
242) }
```

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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