

Converting Colors

XYZ(12.4127, 19.8625, 91.5208)

Have a look what the booklet for
XYZ(12.4127, 19.8625, 91.5208)
contains.

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Color

**XYZ(27.2222, 27.5828,
91.8849)**

Conversions

Conversions Part 1

Format	Color
Hex	0093F7
RGB	0, 147, 247
RGB Percent	0%, 58%, 97%
CMY	0.9997, 0.4235, 0.0314
CMYK	1.00, 0.40, 0.00, 0.03
HSL	204°, 100%, 48%
HSV	204°, 100%, 97%
XYZ	27.2222, 27.5828, 91.8849
YIQ	114.4470, -119.7120, -0.0640

Conversions

Conversions Part 2

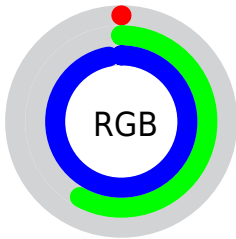
Format	Color
R _{YB}	0, 92, 247
Decimal	37879
CIE _{Lab}	59.51, 4.11, -58.81
CIE _{LCh}	60, 58.952, 273.997
Yxy	27.5828, 0.1856, 0.1880
Android (android.graphics.Color)	4278227959 (0xFF0093F7)
YUV	114.4470, 65.3486, -100.3700
Hunter-Lab	52.5193, 0.6126, -66.9670

Details

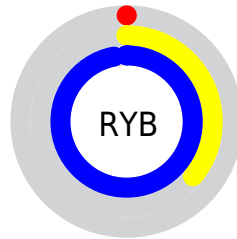
The XYZ color **27.2222, 27.5828, 91.8849** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.9224, 28.9025, 3.3185**, and the grayscale version is **15.9706, 16.8024, 18.2978**.

A 20% lighter version of the original color is **45.1347, 51.8435, 102.2357**, and **13.5690, 12.2671, 50.3678** is the 20% darker color. If you saturate the color by 10%, you get **27.2180, 27.5742, 91.8841**, and if you desaturate by 10%, it is **29.2415, 31.0344, 92.4453**.

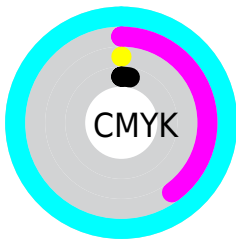
Distribution



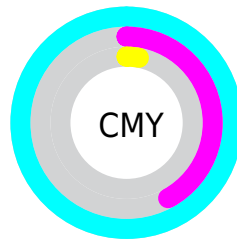
- Red (0%)
- Green (58%)
- Blue (97%)



- Red (0%)
- Yellow (36%)
- Blue (97%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (42%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2222, 27.5828, 91.8849 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 27.2222, 27.5828, 91.8849 by changing the saturation by 10% instead.

■ 27.2222, 27.5828,
91.8849

■ 27.2222, 27.5828,
91.8849

280.8793,
290.4680, 554.8710

■ 17.8776, 18.0114,
68.9625

■ 54.6576, 55.8177,
151.9122

■ 10.9613, 10.9582,
50.2096

■ 73.4791, 75.2499,
189.8542

■ 6.1079, 6.0387,
35.2076

■ 96.1903, 98.7379,
233.6398

■ 2.9521, 2.8686,
23.5380

■ 123.1566,
126.6661, 283.6875

■ 1.1285, 1.0635,
14.7823

■ 154.7433,
159.4188, 340.4160

■ 0.0487, 0.0000,
8.5218

191.3157,

■ 0.0000, 0.0000,

197.3804, 404.2437

4.3381

233.2393,
240.9353, 475.5892

■ 0.0000, 0.0000,
1.8126

■ 0.0000, 0.0000,
0.4362

■ 27.2222, 27.5828,
91.8849

■ 27.2222, 27.5828,
91.8849

■ 27.2180, 27.5742,
91.8841

■ 29.2415, 31.0344,
92.4453

■ 31.8980, 35.0201,
93.0746

■ 35.3499, 39.6262,
93.7818

■ 39.6932, 44.9068,
94.5721

■ 45.0088, 50.9082,
95.4503

■ 51.3678, 57.6712,
96.4206

■ 58.8343, 65.2331,
97.4866

■ 67.4666, 73.6280,
98.6520

■ 77.3189, 82.8878,
99.9201

Harmonies

Analogous

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



20.4539, 27.5828, 83.6493



27.2222, 27.5828, 91.8849



35.0160, 27.5828, 78.1450

Triad

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



27.2222, 27.5828, 91.8849



39.8895, 27.5828, 12.5090



15.3843, 27.5828, 15.4622

Complementary

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



27.2222, 27.5828, 91.8849



42.9224, 28.9025, 3.3185

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.



19.0307, 27.5828, 7.3176



27.2222, 27.5828, 91.8849



32.9712, 27.5828, 6.2633

Square

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



27.2222, 27.5828, 91.8849



43.1500, 27.5828, 27.2780



25.2361, 27.5828, 4.9501



14.4187, 27.5828, 32.9675

Rectangle

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



27.2222, 27.5828, 91.8849



39.5123, 27.5828, 60.9654



25.2361, 27.5828, 4.9501



16.2983, 27.5828, 11.8678

Sweetspot

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



27.2234, 27.5836, 91.8856



63.1859, 70.0660, 104.8016



35.5065, 67.4203, 22.9072



12.7677, 14.2398, 22.3256



0.0000, 0.0000, 0.0000



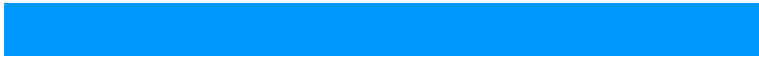
20.3446, 21.4041, 23.3091

Same Dimension

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



27.2234, 27.5836, 91.8856



29.2347, 29.5895, 98.7782



17.1321, 7.4011, 88.5219



16.4011, 17.5664, 21.0688



14.5376, 14.8690, 48.6418



1.3784, 1.5082, 4.3087

Inverse Universe

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



43.6253, 21.8825, 29.5286



46.8855, 23.5182, 31.6590



64.5615, 72.1807, 10.5316



16.9130, 16.6481, 19.2885



23.1424, 11.6004, 15.9903



2.0848, 1.0399, 1.6730

Previews

White Background



This preview shows how the XYZ color 27.2222, 27.5828, 91.8849 looks on a white background.

Color Contrast Check

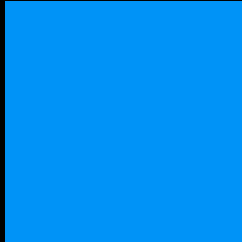
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2222, 27.5828, 91.8849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

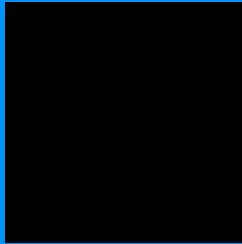
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

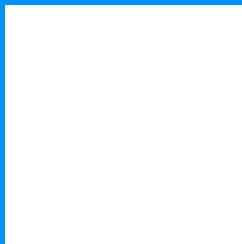
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2222, 27.5828, 91.8849

Background



This preview shows how black text looks on a background with the XYZ color 27.2222, 27.5828, 91.8849.



This preview shows how white text looks on a background with the XYZ color 27.2222, 27.5828,

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

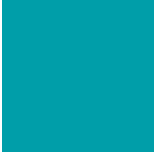
27.2222, 27.5828, 91.8849

Protanopia

30.0681, 27.4066, 85.3666

Deuteranopia

28.6039, 27.5937, 92.6255



Tritanopia

19.3883, 27.3183, 41.7872

Trichromacy



Original Color

27.2222, 27.5828, 91.8849

Protanomaly

27.8144, 26.8468, 87.7204

Deuteranomaly

27.7962, 27.4032, 92.6313

Tritanomaly

21.6336, 27.1424, 56.9221

Monochromacy



Original Color

27.2222, 27.5828, 91.8849

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.7301, 18.9468, 36.9577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2222, 27.5828, 91.8849 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, 147, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 247)  
}
```

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, 147, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 247) }
```

Border

The CSS property to change the border of an element to XYZ 27.2222, 27.5828, 91.8849 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, 147, 247) }
```


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

```
.border{ border-color:rgb(0, 147, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2222, 27.5828, 91.8849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 247) }
```

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

```
.background{ background-color: rgb(0, 147,  
247) }
```

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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