

Converting Colors

XYZ(21.8149, 23.2685,
122.1973)

Have a look what the booklet for
XYZ(21.8149, 23.2685, 122.1973)
contains.

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Color

**XYZ(27.8725, 26.8649,
98.3242)**

Conversions

Conversions Part 1

Format	Color
Hex	008FFF
RGB	0, 143, 255
RGB Percent	0%, 56%, 100%
CMY	0.9997, 0.4392, 0.0000
CMYK	1.00, 0.44, 0.00, 0.00
HSL	206°, 100%, 50%
HSV	206°, 100%, 100%
XYZ	27.8725, 26.8649, 98.3242
YIQ	113.0110, -121.1800, 4.5160

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 92, 255
Decimal	36863
CIE _{Lab}	58.85, 9.56, -64.26
CIE _{LCh}	59, 64.971, 278.463
Yxy	26.8649, 0.1821, 0.1755
Android (android.graphics.Color)	4278226943 (0xFF008FFF)
YUV	113.0110, 70.0006, -99.1106
Hunter-Lab	51.8314, 5.2841, -76.1913

Details

The XYZ color **27.8725, 26.8649, 98.3242** 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 **47.0435, 32.8662, 3.8667**, and the grayscale version is **15.5316, 16.3405, 17.7948**.

A 20% lighter version of the original color is **44.4720, 50.1446, 101.9427**, and **14.0807, 12.0366, 54.4045** is the 20% darker color. If you saturate the color by 10%, you get **27.8672, 26.8544, 98.3224**, and if you desaturate by 10%, it is **30.0547, 30.6128, 98.9325**.

Distribution



- Red (0%)
- Green (56%)
- Blue (100%)



- Red (0%)
- Yellow (36%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8725, 26.8649, 98.3242 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 27.8725, 26.8649, 98.3242 by changing the saturation by 10% instead.

■ 27.8725, 26.8649,
98.3242

■ 27.8725, 26.8649,
98.3242

283.9483,
287.0024, 576.0071

■ 18.3695, 17.4718,
74.2927

■ 55.6909, 54.6670,
160.8841

■ 11.3169, 10.5714,
54.5354

■ 74.7370, 73.8448,
200.2495

■ 6.3493, 5.7794,
38.6338

■ 97.6949, 97.0529,
245.5633

■ 3.1013, 2.7114,
26.1693

■ 124.9299,
124.6757, 297.2441

■ 1.2075, 0.9830,
16.7234

■ 156.8074,
157.0977, 355.7103

■ 0.1123, 0.0000,
9.8776

193.6927,

■ 0.0000, 0.0000,

194.7032, 421.3805

5.2134

235.9513,
237.8767, 494.6733

■ 0.0000, 0.0000,
2.3121

■ 0.0000, 0.0000,
0.7380

■ 27.8725, 26.8649,
98.3242

■ 27.8725, 26.8649,
98.3242

■ 27.8672, 26.8544,
98.3224

■ 30.0547, 30.6128,
98.9325

■ 32.9481, 34.9834,
99.6237

■ 36.7223, 40.0712,
100.4068

■ 41.4823, 45.9368,
101.2881

■ 47.3167, 52.6319,
102.2729

■ 54.3035, 60.2028,
103.3660

■ 62.5125, 68.6915,
104.5718

■ 72.0079, 78.1365,
105.8944

■ 82.8489, 88.5740,
107.3376

Harmonies

Analogous

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



20.2795, 26.8649, 92.5967



27.8725, 26.8649, 98.3242



36.3818, 26.8649, 79.2746

Triad

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



27.8725, 26.8649, 98.3242



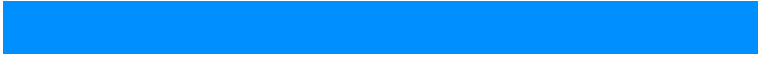
39.6183, 26.8649, 9.4781



13.7050, 26.8649, 15.8453

Complementary

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



27.8725, 26.8649, 98.3242



47.0435, 32.8662, 3.8667

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.



17.0906, 26.8649, 6.5028



27.8725, 26.8649, 98.3242



31.6264, 26.8649, 4.3967

Square

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



27.8725, 26.8649, 98.3242



44.0340, 26.8649, 23.2193



23.3306, 26.8649, 3.7010



13.1133, 26.8649, 36.2468

Rectangle

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



27.8725, 26.8649, 98.3242



41.0682, 26.8649, 58.9795



23.3306, 26.8649, 3.7010



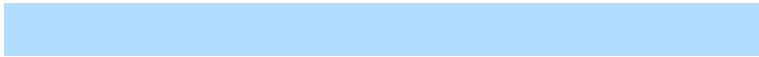
14.5138, 26.8649, 11.6938

Sweetspot

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



27.8736, 26.8656, 98.3242



62.4845, 68.6631, 104.5678



38.6053, 72.6582, 26.8979



12.6010, 13.9064, 22.2700



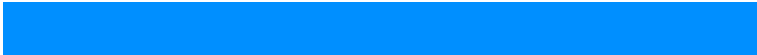
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.8736, 26.8656, 98.3242



27.8672, 26.8544, 98.3224



18.2526, 7.6238, 95.1173



17.8479, 19.0674, 22.9896



14.7126, 14.3347, 51.4260



1.5414, 1.6135, 5.0435

Inverse Universe

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



46.1988, 23.2449, 28.0386



46.1953, 23.2421, 28.0241



71.8165, 82.4124, 12.1244



18.4359, 18.1577, 20.9124



24.2144, 12.1751, 15.0455



2.4126, 1.2074, 1.7543

Previews

White Background



This preview shows how the XYZ color 27.8725, 26.8649, 98.3242 looks on a white background.

Color Contrast Check

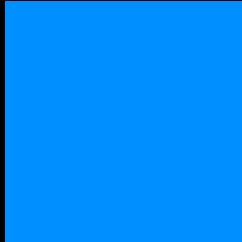
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8725, 26.8649, 98.3242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

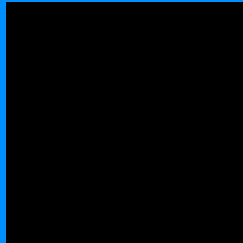
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

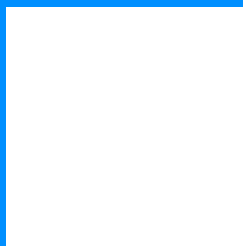
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8725, 26.8649, 98.3242

Background



This preview shows how black text looks on a background with the XYZ color 27.8725, 26.8649, 98.3242.



This preview shows how white text looks on a background with the XYZ color 27.8725, 26.8649,

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

27.8725, 26.8649, 98.3242

Protanopia

30.0690, 26.8056, 93.2117

Deuteranopia

27.7119, 26.8007, 97.4784



Tritanopia

18.8635, 26.5670, 40.6929

Trichromacy



Original Color

27.8725, 26.8649, 98.3242

Protanomaly

28.2761, 26.2710, 94.8473

Deuteranomaly

27.7119, 26.8007, 97.4784

Tritanomaly

21.3754, 26.2567, 57.9743

Monochromacy



Original Color

27.8725, 26.8649, 98.3242

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.6717, 18.5096, 38.2913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8725, 26.8649, 98.3242 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, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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(0, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8725, 26.8649, 98.3242 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, 143, 255) }
```


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

```
.border{ border-color:rgb(0, 143, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8725, 26.8649, 98.3242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 255) }
```

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

```
.background{ background-color: rgb(0, 143,  
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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