

Converting Colors

XYZ(26.8352, 27.5506, 88.7346)

Have a look what the booklet for
XYZ(26.8352, 27.5506, 88.7346)
contains.

XYZ(26.7630, 27.4167, 88.6754)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.7630, 27.4167,
88.6754)**

Conversions

Conversions Part 1

Format	Color
Hex	0C93F3
RGB	12, 147, 243
RGB Percent	5%, 58%, 95%
CMY	0.9527, 0.4235, 0.0471
CMYK	0.95, 0.40, 0.00, 0.05
HSL	205°, 91%, 50%
HSV	205°, 95%, 95%
XYZ	26.7630, 27.4167, 88.6754
YIQ	117.5790, -111.2760, 1.2360

Conversions

Conversions Part 2

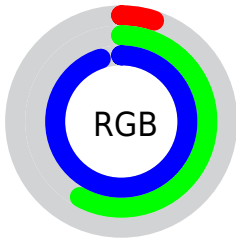
Format	Color
R_{YB}	12, 97, 243
Decimal	824307
CIE _{Lab}	59.36, 2.90, -56.84
CIE _{LCh}	59, 56.918, 272.921
Yxy	27.4167, 0.1873, 0.1919
Android (android.graphics.Color)	4279014387 (0xFF0C93F3)
YUV	117.5790, 61.8326, -92.5928
Hunter-Lab	52.3610, -0.3958, -63.7573

Details

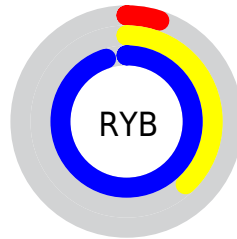
The XYZ color **26.7630, 27.4167, 88.6754** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.3979, 29.8191, 3.8708**, and the grayscale version is **16.9327, 17.8145, 19.4000**.

A 20% lighter version of the original color is **45.2598, 51.9081, 102.2416**, and **13.1376, 12.0946, 48.0964** is the 20% darker color. If you saturate the color by 10%, you get **25.8490, 25.8136, 88.4148**, and if you desaturate by 10%, it is **28.9923, 31.0013, 89.2504**.

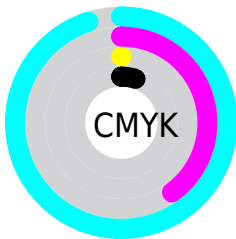
Distribution



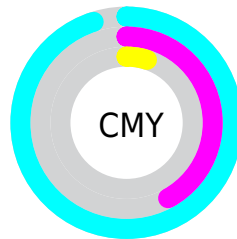
- Red (5%)
- Green (58%)
- Blue (95%)



- Red (5%)
- Yellow (38%)
- Blue (95%)



- Cyan (95%)
- Magenta (40%)
- Yellow (0%)
- Black (5%)



- Cyan (95%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7630, 27.4167, 88.6754 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 26.7630, 27.4167, 88.6754 by changing the saturation by 10% instead.

■ 26.7630, 27.4167,
88.6754

■ 26.7630, 27.4167,
88.6754

278.6963,
289.6691, 544.1710

■ 17.5310, 17.8864,
66.3150

■ 53.9259, 55.5518,
147.4165

■ 10.7114, 10.8685,
48.0701

■ 72.5875, 74.9254,
184.6343

■ 5.9390, 5.9785,
33.5220

■ 95.1230, 98.3490,
227.6417

■ 2.8483, 2.8320,
22.2523

■ 121.8977,
126.2068, 276.8572

■ 1.0741, 1.0447,
13.8423

■ 153.2771,
158.8834, 332.6993

■ 0.0033, 0.0000,
7.8736

189.6264,

■ 0.0000, 0.0000,

196.7630, 395.5866

3.9275

231.3110,
240.2301, 465.9377

■ 0.0000, 0.0000,
1.5857

■ 0.0000, 0.0000,
0.2806

■ 26.7630, 27.4167,
88.6754

■ 26.7630, 27.4167,
88.6754

■ 25.8490, 25.8136,
88.4148

■ 28.9923, 31.0013,
89.2504

■ 31.9374, 35.1646,
89.8988

■ 35.7029, 39.9654,
90.6270

■ 40.3731, 45.4521,
91.4399

■ 46.0210, 51.6667,
92.3418

■ 52.7114, 58.6472,
93.3365

■ 60.5033, 66.4282,
94.4277

■ 69.4508, 75.0419,
95.6187

■ 79.6045, 84.5183,
96.9127

Harmonies

Analogous

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



20.3069, 27.4167, 80.1802



26.7630, 27.4167, 88.6754



34.2352, 27.4167, 76.3794

Triad

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



26.7630, 27.4167, 88.6754



39.3322, 27.4167, 13.2038



15.6657, 27.4167, 15.3175

Complementary

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



26.7630, 27.4167, 88.6754



42.3979, 29.8191, 3.8708

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.



19.3003, 27.4167, 7.5454



26.7630, 27.4167, 88.6754



32.8054, 27.4167, 6.7742

Square

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



26.7630, 27.4167, 88.6754



42.2736, 27.4167, 27.8974



25.3670, 27.4167, 5.3129



14.6323, 27.4167, 31.8961

Rectangle

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



26.7630, 27.4167, 88.6754



38.5867, 27.4167, 60.3037



25.3670, 27.4167, 5.3129



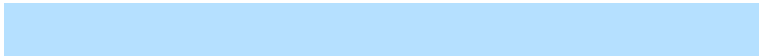
16.5865, 27.4167, 11.8957

Sweetspot

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



26.7641, 27.4175, 88.6761



63.8433, 70.5009, 104.8509



34.7242, 65.1886, 23.9656



12.8830, 14.3053, 22.3321



0.0000, 0.0000, 0.0000



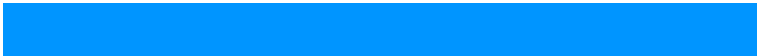
20.3446, 21.4041, 23.3091

Same Dimension

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



26.7641, 27.4175, 88.6761



28.7974, 28.7147, 98.6325



16.9358, 7.7608, 85.4000



16.3857, 17.5358, 21.0637



14.3230, 14.4397, 48.5703



1.3601, 1.4717, 4.3026

Inverse Universe

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



42.3612, 21.4258, 29.5072



46.6648, 23.4299, 30.4965



62.5979, 70.2189, 10.6041



16.9053, 16.6450, 19.2477



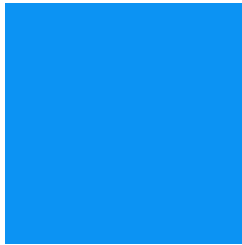
23.0341, 11.5571, 15.4198



2.0756, 1.0362, 1.6245

Previews

White Background



This preview shows how the XYZ color 26.7630, 27.4167, 88.6754 looks on a white background.

Color Contrast Check

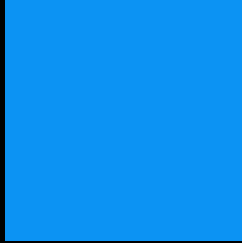
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7630, 27.4167, 88.6754 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

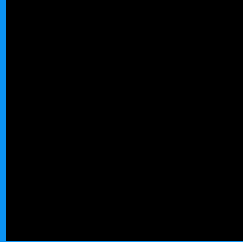
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

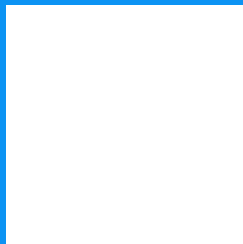
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.7630, 27.4167, 88.6754

Background



This preview shows how black text looks on a background with the XYZ color 26.7630, 27.4167, 88.6754.



This preview shows how white text looks on a background with the XYZ color 26.7630, 27.4167,

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

26.7630, 27.4167, 88.6754

Protanopia

29.7075, 27.2882, 82.2987

Deuteranopia

28.2659, 27.2666, 89.3611



Tritanopia

19.3883, 27.3183, 41.7872

Trichromacy



Original Color

26.7630, 27.4167, 88.6754

Protanomaly

27.5599, 26.7843, 84.6062

Deuteranomaly

27.3846, 27.0361, 89.3631

Tritanomaly

21.5695, 27.1225, 56.3229

Monochromacy



Original Color

26.7630, 27.4167, 88.6754

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.6856, 20.0071, 37.5800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.7630, 27.4167, 88.6754 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(12, 147, 243)` looks like.

```
.text, #text, p{  
    color:rgb(12, 147, 243)  
}
```

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(12, 147, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 147, 243) }
```

Border

The CSS property to change the border of an element to XYZ 26.7630, 27.4167, 88.6754 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(12, 147, 243) }
```


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

```
.border{ border-color:rgb(12, 147, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 147, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 147, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 147, 243);  
box-shadow:4px 4px 4px 4px rgb(12, 147,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 26.7630, 27.4167, 88.6754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 147, 243) }
```

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

```
.background{ background-color: rgb(12, 147,  
243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor