

Converting Colors

XYZ(25.5427, 25.3821, 87.7544)

Have a look what the booklet for
XYZ(25.5427, 25.3821, 87.7544)
contains.

XYZ(25.5519, 25.4606, 87.5721)	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(25.5519, 25.4606,
87.5721)**

Conversions

Conversions Part 1

Format	Color
Hex	008DF2
RGB	0, 141, 242
RGB Percent	0%, 55%, 95%
CMY	0.9997, 0.4471, 0.0510
CMYK	1.00, 0.42, 0.00, 0.05
HSL	205°, 100%, 47%
HSV	205°, 100%, 95%
XYZ	25.5519, 25.4606, 87.5721
YIQ	110.3550, -116.4570, 1.5190

Conversions

Conversions Part 2

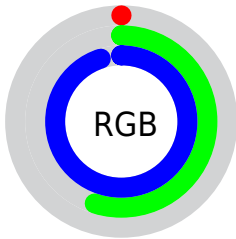
Format	Color
RYB	0, 89, 242
Decimal	36338
CIELab	57.52, 5.80, -59.23
CIELCh	58, 59.516, 275.589
Yxy	25.4606, 0.1844, 0.1837
Android (android.graphics.Color)	4278226418 (0xFF008DF2)
YUV	110.3550, 64.9010, -96.7813
Hunter-Lab	50.4585, 2.0890, -67.5785

Details

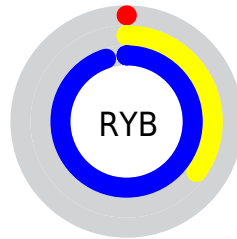
The XYZ color **25.5519, 25.4606, 87.5721** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark saturated azure. A complement of this color would be **41.2787, 28.1977, 3.2690**, and the grayscale version is **14.7723, 15.5416, 16.9248**.

A 20% lighter version of the original color is **43.6485, 49.0548, 101.7757**, and **12.5841, 11.1571, 47.3892** is the 20% darker color. If you saturate the color by 10%, you get **25.5481, 25.4528, 87.5714**, and if you desaturate by 10%, it is **27.4935, 28.7750, 88.1101**.

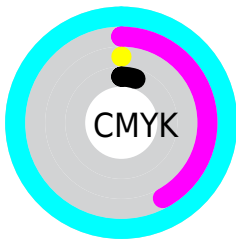
Distribution



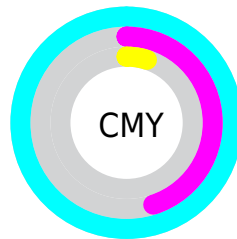
- Red (0%)
- Green (55%)
- Blue (95%)



- Red (0%)
- Yellow (35%)
- Blue (95%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (5%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.5519, 25.4606, 87.5721 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 25.5519, 25.4606, 87.5721 by changing the saturation by 10% instead.

■ 25.5519, 25.4606,
87.5721

■ 25.5519, 25.4606,
87.5721

272.8726,
280.1241, 540.4659

■ 16.6196, 16.4206,
65.4064

■ 51.9876, 52.4035,
145.8672

■ 10.0573, 9.8222,
47.3373

■ 70.2218, 71.0751,
182.8337

■ 5.4995, 5.2813,
32.9461

■ 92.2873, 93.7260,
225.5708

■ 2.5810, 2.4132,
21.8144

■ 118.5496,
120.7406, 274.4972

■ 0.9363, 0.8327,
13.5236

■ 149.3739,
152.5033, 330.0314

■ 0.0000, 0.0000,
7.6551

185.1256,

■ 0.0000, 0.0000,

189.3986, 392.5919

3.7905

226.1700,
231.8107, 462.5972

■ 0.0000, 0.0000,
1.5111

■ 0.0000, 0.0000,
0.2262

■ 25.5519, 25.4606,
87.5721

■ 25.5519, 25.4606,
87.5721

■ 25.5481, 25.4528,
87.5714

■ 27.4935, 28.7750,
88.1101

■ 30.0492, 32.6126,
88.7161

■ 33.3710, 37.0571,
89.3989

■ 37.5504, 42.1605,
90.1637

■ 42.6649, 47.9671,
91.0149

■ 48.7821, 54.5166,
91.9567

■ 55.9632, 61.8448,
92.9927

■ 64.2641, 69.9847,
94.1264

■ 73.7364, 78.9671,
95.3609

Harmonies

Analogous

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



18.9908, 25.4606, 80.6478



25.5519, 25.4606, 87.5721



33.0331, 25.4606, 73.1432

Triad

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



25.5519, 25.4606, 87.5721



37.0666, 25.4606, 10.6414



13.7863, 25.4606, 14.5136

Complementary

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



25.5519, 25.4606, 87.5721



41.2787, 28.1977, 3.2690

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.



17.1004, 25.4606, 6.5493



25.5519, 25.4606, 87.5721



30.2829, 25.4606, 5.2008

Square

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



25.5519, 25.4606, 87.5721



40.4633, 25.4606, 24.0904



22.8958, 25.4606, 4.1911



13.0083, 25.4606, 31.7019

Rectangle

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



25.5519, 25.4606, 87.5721



37.2808, 25.4606, 56.1617



22.8958, 25.4606, 4.1911



14.6039, 25.4606, 10.9927

Sweetspot

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



25.5530, 25.4613, 87.5728



62.9298, 69.5537, 104.7162



34.0959, 64.4423, 22.9207



12.7067, 14.1180, 22.3053



0.0000, 0.0000, 0.0000



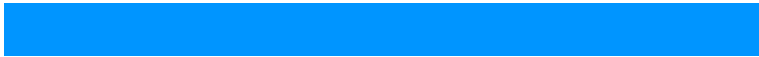
20.3446, 21.4041, 23.3091

Same Dimension

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



25.5530, 25.4613, 87.5728



28.7257, 28.5715, 98.6086



16.2821, 6.9196, 84.4825



15.6623, 16.7586, 20.1309



13.8627, 13.9496, 47.0898



1.2513, 1.3565, 3.9501

Inverse Universe

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



41.4267, 20.8019, 27.0315



46.6286, 23.4155, 30.3061



62.6973, 71.0349, 10.4085



16.1590, 15.9133, 18.3933



22.3228, 11.2016, 14.8826



1.9065, 0.9517, 1.4987

Previews

White Background



This preview shows how the XYZ color 25.5519, 25.4606, 87.5721 looks on a white background.

Color Contrast Check

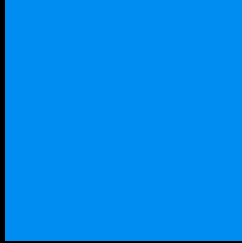
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5519, 25.4606, 87.5721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

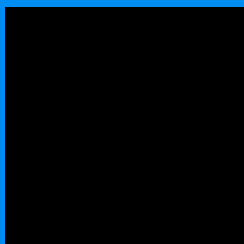
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

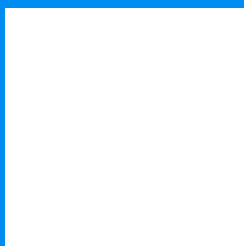
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.5519, 25.4606, 87.5721

Background



This preview shows how black text looks on a background with the XYZ color 25.5519, 25.4606, 87.5721.



This preview shows how white text looks on a background with the XYZ color 25.5519, 25.4606,

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

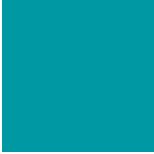
25.5519, 25.4606, 87.5721

Protanopia

28.0347, 25.3755, 82.0176

Deuteranopia

26.2983, 25.4115, 87.5232



Tritanopia

18.0021, 25.4268, 38.6094

Trichromacy



Original Color

25.5519, 25.4606, 87.5721

Protanomaly

26.1819, 24.9942, 84.3333

Deuteranomaly

25.8840, 25.4138, 87.5455

Tritanomaly

20.2619, 25.3007, 53.6848

Monochromacy



Original Color

25.5519, 25.4606, 87.5721

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.5347, 17.4455, 34.8963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5519, 25.4606, 87.5721 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, 141, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 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(0, 141, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 242) }
```

Border

The CSS property to change the border of an element to XYZ 25.5519, 25.4606, 87.5721 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, 141, 242) }
```


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

```
.border{ border-color:rgb(0, 141, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 141, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 141, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 141, 242); box-shadow:4px 4px 4px 4px rgb(0, 141, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5519, 25.4606, 87.5721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 242) }
```

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

```
.background{ background-color: rgb(0, 141,  
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](#).

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