

Converting Colors

XYZ(22.9416, 26.6433, 80.8227)

Have a look what the booklet for
XYZ(22.9416, 26.6433, 80.8227)
contains.

XYZ(25.7746, 28.0164, 81.1400)	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>	30

Color

**XYZ(25.7746, 28.0164,
81.1400)**

Conversions

Conversions Part 1

Format	Color
Hex	0097E9
RGB	0, 151, 233
RGB Percent	0%, 59%, 91%
CMY	0.9997, 0.4078, 0.0863
CMYK	1.00, 0.35, 0.00, 0.09
HSL	201°, 100%, 46%
HSV	201°, 100%, 91%
XYZ	25.7746, 28.0164, 81.1400
YIQ	115.1990, -116.3180, -6.5100

Conversions

Conversions Part 2

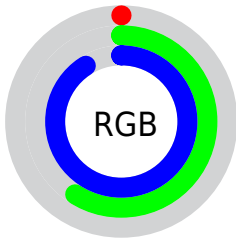
Format	Color
R _Y B	0, 92, 233
Decimal	38889
CIE Lab	59.90, -3.54, -50.46
CIE LCh	60, 50.579, 265.991
Yxy	28.0164, 0.1910, 0.2076
Android (android.graphics.Color)	4278228969 (0xFF0097E9)
YUV	115.1990, 58.0759, -101.0295
Hunter-Lab	52.9305, -5.7076, -53.8374

Details

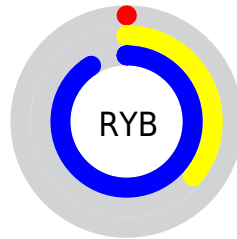
The XYZ color **25.7746, 28.0164, 81.1400** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **36.6270, 23.3681, 2.5819**, and the grayscale version is **16.2168, 17.0614, 18.5798**.

A 20% lighter version of the original color is **45.8252, 53.9468, 102.6053**, and **12.5895, 12.4817, 43.3406** is the 20% darker color. If you saturate the color by 10%, you get **25.7713, 28.0096, 81.1395**, and if you desaturate by 10%, it is **27.5030, 30.9360, 81.6131**.

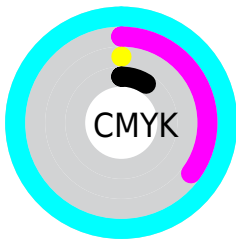
Distribution



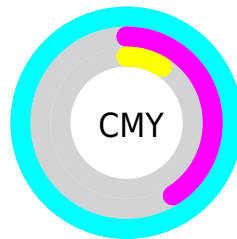
- Red (0%)
- Green (59%)
- Blue (91%)



- Red (0%)
- Yellow (36%)
- Blue (91%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (41%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7746, 28.0164, 81.1400 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 25.7746, 28.0164, 81.1400 by changing the saturation by 10% instead.

■ 25.7746, 28.0164,
81.1400

■ 25.7746, 28.0164,
81.1400

273.9509,
292.5453, 518.5742

■ 16.7869, 18.3380,
60.1252

■ 52.3450, 56.5106,
136.7932

■ 10.1770, 11.1929,
43.0936

■ 70.6584, 76.0953,
172.2687

■ 5.5797, 6.1968,
29.6266

■ 92.8111, 99.7508,
213.4015

■ 2.6294, 2.9651,
19.3057

■ 119.1683,
127.8616, 260.6101

■ 0.9610, 1.1135,
11.7124

■ 150.0956,
160.8120, 314.3132

■ 0.0000, 0.0000,
6.4280

185.9582,

■ 0.0000, 0.0000,

198.9865, 374.9292

3.0341

227.1215,
242.7695, 442.8767

■ 0.0000, 0.0000,
1.1120

■ 0.0000, 0.0000,
0.0000

■ 25.7746, 28.0164,
81.1400

■ 25.7746, 28.0164,
81.1400

■ 25.7713, 28.0096,
81.1395

■ 27.5030, 30.9360,
81.6131

■ 29.7581, 34.2660,
82.1370

■ 32.6799, 38.0811,
82.7194

■ 36.3502, 42.4264,
83.3646

■ 40.8382, 47.3398,
84.0765

■ 46.2046, 52.8550,
84.8582

■ 52.5038, 59.0025,
85.7128

■ 59.7857, 65.8102,
86.6430

■ 68.0965, 73.3042,
87.6514

Harmonies

Analogous

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



20.3011, 28.0164, 70.2217



25.7746, 28.0164, 81.1400



32.4159, 28.0164, 74.6217

Triad

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



25.7746, 28.0164, 81.1400



39.3439, 28.0164, 17.4820



17.6470, 28.0164, 14.6903

Complementary

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



25.7746, 28.0164, 81.1400



36.6270, 23.3681, 2.5819

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.



21.5749, 28.0164, 8.4783



25.7746, 28.0164, 81.1400



34.1510, 28.0164, 9.5756

Square

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



25.7746, 28.0164, 81.1400



40.9463, 28.0164, 33.0454



27.5016, 28.0164, 7.0769



16.1111, 28.0164, 28.0985

Rectangle

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



25.7746, 28.0164, 81.1400



36.5356, 28.0164, 62.2684



27.5016, 28.0164, 7.0769



18.6972, 28.0164, 11.9392

Sweetspot

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



25.7757, 28.0173, 81.1407



64.2877, 72.2696, 105.1688



30.6475, 58.8817, 17.6515



13.0303, 14.7650, 22.4131



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.



25.7757, 28.0173, 81.1407



31.5473, 34.2146, 99.5491



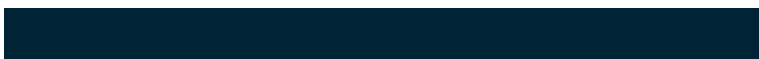
15.3101, 7.0860, 77.6522



15.0456, 16.1777, 19.2519



14.7438, 16.1345, 46.0802



1.2475, 1.4466, 3.6483

Inverse Universe

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



39.1912, 19.5596, 30.9885



48.0528, 23.9851, 37.8058



53.8128, 57.7397, 8.3105



15.4766, 15.2185, 17.7950



22.2973, 11.1216, 17.8986



1.7962, 0.8914, 1.6442

Previews

White Background



This preview shows how the XYZ color 25.7746, 28.0164, 81.1400 looks on a white background.

Color Contrast Check

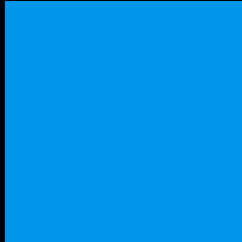
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7746, 28.0164, 81.1400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

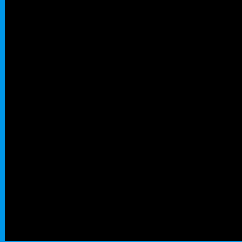
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

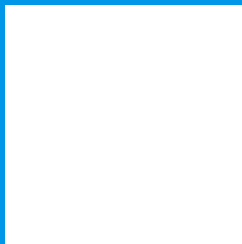
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7746, 28.0164, 81.1400

Background



This preview shows how black text looks on a background with the XYZ color 25.7746, 28.0164, 81.1400.

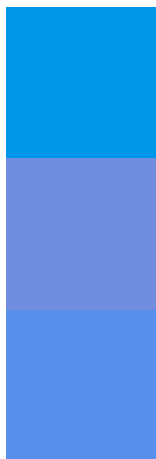


This preview shows how white text looks on a background with the XYZ color 25.7746, 28.0164,

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

25.7746, 28.0164, 81.1400

Protanopia

29.7895, 27.9423, 74.3443

Deuteranopia

28.8991, 27.9709, 82.4730

Trichromacy



Original Color

25.7746, 28.0164, 81.1400

Protanomaly

26.6630, 27.1746, 76.5130

Deuteranomaly

26.8605, 27.6202, 81.7574

Monochromacy



Original Color

25.7746, 28.0164, 81.1400

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.6384, 19.3234, 35.2006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7746, 28.0164, 81.1400 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, 151, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 233)  
}
```

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, 151, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 233) }
```

Border

The CSS property to change the border of an element to XYZ 25.7746, 28.0164, 81.1400 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, 151, 233) }
```

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

```
.border{ border-color:rgb(0, 151, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
233) }
```


Background

The CSS property to change the background color of an element to XYZ 25.7746, 28.0164, 81.1400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 233) }
```

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

```
.background{ background-color: rgb(0, 151,  
233) }
```

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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