

Converting Colors

XYZ(7.7792, 18.8412, 76.9203)

Have a look what the booklet for
XYZ(7.7792, 18.8412, 76.9203)
contains.

| | |
|--|----|
| XYZ(25.0702, 27.7347, 77.4308) | 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(25.0702, 27.7347,
77.4308)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 0097E4 |
| RGB | 0, 151, 228 |
| RGB Percent | 0%, 59%, 89% |
| CMY | 0.9998, 0.4078, 0.1059 |
| CMYK | 1.00, 0.34, 0.00, 0.11 |
| HSL | 200°, 100%, 45% |
| HSV | 200°, 100%, 89% |
| XYZ | 25.0702, 27.7347, 77.4308 |
| YIQ | 114.6290, -114.7130, -8.0650 |

Conversions

Conversions Part 2

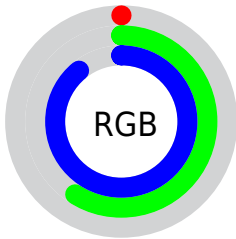
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 0, 91, 228 |
| Decimal | 38884 |
| CIE Lab | 59.65, -5.41, -48.09 |
| CIE LCh | 60, 48.393, 263.580 |
| Yxy | 27.7347, 0.1925, 0.2130 |
| Android (android.graphics.Color) | 4278228964 (0xFF0097E4) |
| YUV | 114.6290, 55.8919, -100.5296 |
| Hunter-Lab | 52.6637, -7.1879, -50.3087 |

Details

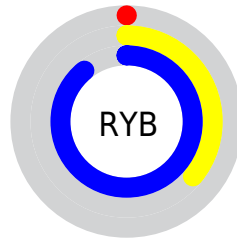
The XYZ color **25.0702, 27.7347, 77.4308** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **34.6533, 21.8098, 2.3849**, and the grayscale version is **16.0504, 16.8863, 18.3892**.

A 20% lighter version of the original color is **45.7070, 53.8859, 102.5997**, and **12.1001, 12.2859, 40.7634** is the 20% darker color. If you saturate the color by 10%, you get **25.0675, 27.7291, 77.4305**, and if you desaturate by 10%, it is **26.7010, 30.4763, 77.8746**.

Distribution



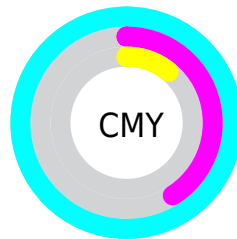
- Red (0%)
- Green (59%)
- Blue (89%)



- Red (0%)
- Yellow (36%)
- Blue (89%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (41%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0702, 27.7347, 77.4308 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 25.0702, 27.7347, 77.4308 by changing the saturation by 10% instead.

■ 25.0702, 27.7347,
77.4308

■ 25.0702, 27.7347,
77.4308

270.5286,
291.1970, 505.7082

■ 16.2584, 18.1258,
57.0928

■ 51.2132, 56.0606,
131.5260

■ 9.7992, 11.0403,
40.6699

■ 69.2750, 75.5464,
166.1203

■ 5.3273, 6.0940,
27.7435

■ 91.1509, 99.0932,
206.3038

■ 2.4772, 2.9023,
17.8950

■ 117.2062,
127.0855, 252.4950

■ 0.8838, 1.0809,
10.7060

■ 147.8063,
159.9076, 305.1126

■ 0.0000, 0.0000,
5.7578

183.3164,

■ 0.0000, 0.0000,

197.9440, 364.5749

2.6320

224.1021,
241.5790, 431.3006

■ 0.0000, 0.0000,
0.9089

■ 0.0000, 0.0000,
0.0000

■ 25.0702, 27.7347,
77.4308

■ 25.0702, 27.7347,
77.4308

■ 25.0675, 27.7291,
77.4305

■ 26.7010, 30.4763,
77.8746

■ 28.8250, 33.5944,
78.3645

■ 31.5763, 37.1604,
78.9078

■ 35.0323, 41.2164,
79.5086

■ 39.2582, 45.7980,
80.1702

■ 44.3114, 50.9369,
80.8958

■ 50.2433, 56.6615,
81.6881

■ 57.1011, 62.9980,
82.5497

■ 64.9283, 69.9708,
83.4830

Harmonies

Analogous

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



19.9887, 27.7347, 66.1261



25.0702, 27.7347, 77.4308



31.3403, 27.7347, 72.6691

Triad

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



25.0702, 27.7347, 77.4308



38.6475, 27.7347, 18.6491



17.9995, 27.7347, 14.3150

Complementary

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



25.0702, 27.7347, 77.4308



34.6533, 21.8098, 2.3849

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.



21.9392, 27.7347, 8.6798



25.0702, 27.7347, 77.4308



33.9613, 27.7347, 10.4219

Square

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



25.0702, 27.7347, 77.4308



39.8290, 27.7347, 34.1153



27.6954, 27.7347, 7.5976



16.3332, 27.7347, 26.5934

Rectangle

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



25.0702, 27.7347, 77.4308



35.3080, 27.7347, 61.6801



27.6954, 27.7347, 7.5976



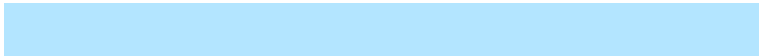
19.0696, 27.7347, 11.8066

Sweetspot

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



25.0713, 27.7356, 77.4315



64.5882, 72.8706, 105.2690



29.0502, 56.0100, 16.1243



13.1021, 14.9086, 22.4370



0.0000, 0.0000, 0.0000



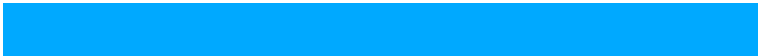
20.3446, 21.4041, 23.3091

Same Dimension

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



25.0713, 27.7356, 77.4315



32.2122, 35.5444, 99.7707



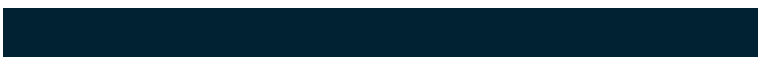
14.6990, 6.9911, 73.9741



14.3759, 15.4733, 18.3733



14.5886, 16.2392, 44.7488



1.1631, 1.3701, 3.3351

Inverse Universe

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



37.5818, 18.7298, 30.9133



48.3884, 24.1194, 39.5731



50.4111, 53.3255, 7.6375



14.7773, 14.5281, 17.0279



21.7571, 10.8371, 18.1479



1.6507, 0.8180, 1.5671

Previews

White Background



This preview shows how the XYZ color 25.0702, 27.7347, 77.4308 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 25.0702, 27.7347, 77.4308 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

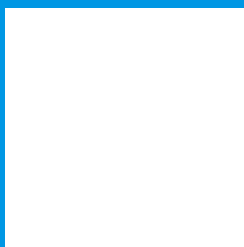
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0702, 27.7347, 77.4308

Background



This preview shows how black text looks on a background with the XYZ color 25.0702, 27.7347, 77.4308.



This preview shows how white text looks on a background with the XYZ color 25.0702, 27.7347,

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

25.0702, 27.7347, 77.4308

Protanopia

29.2345, 27.5155, 70.7880

Deuteranopia

28.5190, 27.6334, 78.6936



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

25.0702, 27.7347, 77.4308

Protanomaly

25.9057, 26.6369, 72.8833

Deuteranomaly

26.2254, 27.1447, 77.9860

Tritanomaly

21.2924, 27.5385, 53.4835

Monochromacy



Original Color

25.0702, 27.7347, 77.4308

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.4676, 19.2551, 34.3012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0702, 27.7347, 77.4308 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 228) }
```

Border

The CSS property to change the border of an element to XYZ 25.0702, 27.7347, 77.4308 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, 228) }
```


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

```
.border{ border-color:rgb(0, 151, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0702, 27.7347, 77.4308 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, 228) }
```

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

```
.background{ background-color: rgb(0, 151,  
228) }
```

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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