

Converting Colors

XYZ(19.2082, 24.2223, 77.3977)

Have a look what the booklet for
XYZ(19.2082, 24.2223, 77.3977)
contains.

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Color

**XYZ(24.7510, 27.0963,
77.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	0095E4
RGB	0, 149, 228
RGB Percent	0%, 58%, 89%
CMY	0.9998, 0.4157, 0.1059
CMYK	1.00, 0.35, 0.00, 0.11
HSL	201°, 100%, 45%
HSV	201°, 100%, 89%
XYZ	24.7510, 27.0963, 77.3244
YIQ	113.4550, -114.1630, -7.0190

Conversions

Conversions Part 2

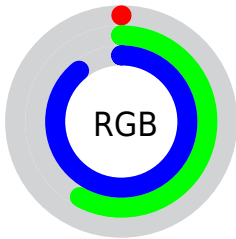
Format	Color
R _{YB}	0, 90, 228
Decimal	38372
CIE Lab	59.06, -4.26, -49.02
CIE LCh	59, 49.201, 265.037
Yxy	27.0963, 0.1916, 0.2098
Android (android.graphics.Color)	4278228452 (0xFF0095E4)
YUV	113.4550, 56.4707, -99.5000
Hunter-Lab	52.0541, -6.2204, -51.6352

Details

The XYZ color **24.7510, 27.0963, 77.3244** 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 **34.7955, 22.0943, 2.4323**, and the grayscale version is **15.6981, 16.5157, 17.9855**.

A 20% lighter version of the original color is **45.2316, 52.9351, 102.4413**, and **11.9082, 11.9022, 40.6995** is the 20% darker color. If you saturate the color by 10%, you get **24.7483, 27.0906, 77.3240**, and if you desaturate by 10%, it is **26.3944, 29.8632, 77.7724**.

Distribution



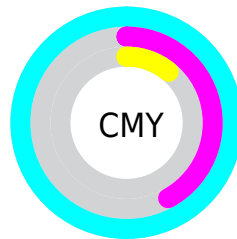
- Red (0%)
- Green (58%)
- Blue (89%)



- Red (0%)
- Yellow (35%)
- Blue (89%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7510, 27.0963, 77.3244 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 24.7510, 27.0963, 77.3244 by changing the saturation by 10% instead.

■ 24.7510, 27.0963,
77.3244

■ 24.7510, 27.0963,
77.3244

268.9662,
288.1231, 505.3364

■ 16.0194, 17.6456,
57.0060

■ 50.6988, 55.0384,
131.3745

■ 9.6288, 10.6958,
40.6007

■ 68.6457, 74.2985,
165.9433

■ 5.2139, 5.8627,
27.6898

■ 90.3950, 97.5972,
206.0993

■ 2.4094, 2.7618,
17.8550

■ 116.3122,
125.3188, 252.2610

■ 0.8498, 1.0087,
10.6776

■ 146.7625,
157.8478, 304.8471

■ 0.0000, 0.0000,
5.7390

182.1114,

■ 0.0000, 0.0000,

195.5686, 364.2760

2.6208

222.7242,
238.8656, 430.9662

■ 0.0000, 0.0000,
0.9032

■ 0.0000, 0.0000,
0.0000

■ 24.7510, 27.0963,
77.3244

■ 24.7510, 27.0963,
77.3244

■ 24.7483, 27.0906,
77.3240

■ 26.3944, 29.8632,
77.7724

■ 28.5350, 33.0144,
78.2679

■ 31.3070, 36.6218,
78.8181

■ 34.7879, 40.7276,
79.4271

■ 39.0431, 45.3678,
80.0985

■ 44.1300, 50.5741,
80.8353

■ 50.1002, 56.3752,
81.6404

■ 57.0009, 62.7976,
82.5163

■ 64.8759, 69.8658,
83.4655

Harmonies

Analogous

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



19.5911, 27.0963, 66.5620



24.7510, 27.0963, 77.3244



31.0532, 27.0963, 71.6965

Triad

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



24.7510, 27.0963, 77.3244



37.9333, 27.0963, 17.4315



17.2758, 27.0963, 14.1166

Complementary

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



24.7510, 27.0963, 77.3244



34.7955, 22.0943, 2.4323

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.



21.0952, 27.0963, 8.3119



24.7510, 27.0963, 77.3244



33.0908, 27.0963, 9.6268

Square

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



24.7510, 27.0963, 77.3244



39.3220, 27.0963, 32.5114



26.7842, 27.0963, 7.0744



15.7330, 27.0963, 26.6867

Rectangle

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



24.7510, 27.0963, 77.3244



34.9939, 27.0963, 60.2409



26.7842, 27.0963, 7.0744



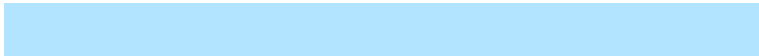
18.3035, 27.0963, 11.5413

Sweetspot

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



24.7521, 27.0972, 77.3251



64.4026, 72.4994, 105.2072



29.0502, 56.0100, 16.1243



13.0577, 14.8199, 22.4223



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.



24.7521, 27.0972, 77.3251



31.7999, 34.7198, 99.6333



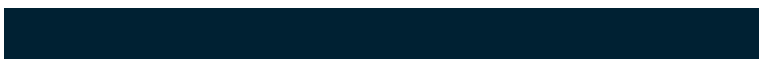
14.6990, 6.9911, 73.9741



14.3650, 15.4513, 18.3696



14.4052, 15.8725, 44.6876



1.1505, 1.3448, 3.3309

Inverse Universe

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



37.4207, 18.6653, 30.0648



48.1803, 24.0361, 38.4771



50.4111, 53.3255, 7.6375



14.7718, 14.5259, 16.9987



21.6646, 10.8001, 17.6606



1.6443, 0.8154, 1.5335

Previews

White Background



This preview shows how the XYZ color 24.7510, 27.0963, 77.3244 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 24.7510, 27.0963, 77.3244 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

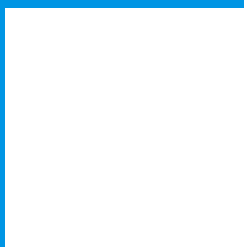
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7510, 27.0963, 77.3244

Background



This preview shows how black text looks on a background with the XYZ color 24.7510, 27.0963, 77.3244.

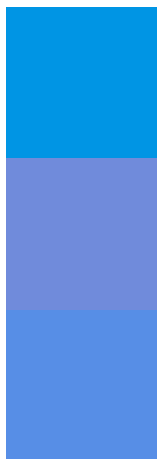


This preview shows how white text looks on a background with the XYZ color 24.7510, 27.0963,

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

24.7510, 27.0963, 77.3244

Protanopia

28.7009, 27.0245, 70.7214

Deuteranopia

27.8864, 27.0854, 78.6211

Trichromacy



Original Color

24.7510, 27.0963, 77.3244

Protanomaly

25.6058, 26.2584, 72.8261

Deuteranomaly

25.8438, 26.7202, 77.9241

Monochromacy



Original Color

24.7510, 27.0963, 77.3244

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0497, 18.6660, 33.7673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7510, 27.0963, 77.3244 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, 149, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 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, 149, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 228) }
```

Border

The CSS property to change the border of an element to XYZ 24.7510, 27.0963, 77.3244 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, 149, 228) }
```

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

```
.border{ border-color:rgb(0, 149, 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, 149, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
228) }
```


Background

The CSS property to change the background color of an element to XYZ 24.7510, 27.0963, 77.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 228) }
```

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

```
.background{ background-color: rgb(0, 149,  
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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