

Converting Colors

XYZ(8.4865, 18.9071, 76.0761)

Have a look what the booklet for
XYZ(8.4865, 18.9071, 76.0761)
contains.

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Color

**XYZ(24.7715, 27.3587,
76.6482)**

Conversions

Conversions Part 1

Format	Color
Hex	0096E3
RGB	0, 150, 227
RGB Percent	0%, 59%, 89%
CMY	0.9997, 0.4118, 0.1098
CMYK	1.00, 0.34, 0.00, 0.11
HSL	200°, 100%, 45%
HSV	200°, 100%, 89%
XYZ	24.7715, 27.3587, 76.6482
YIQ	113.9280, -114.1170, -7.8530

Conversions

Conversions Part 2

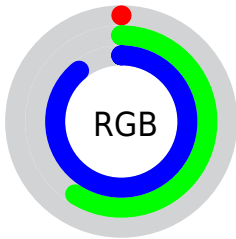
Format	Color
RYB	0, 90, 227
Decimal	38627
CIELab	59.30, -5.21, -48.08
CIELCh	59, 48.360, 263.815
Yxy	27.3587, 0.1924, 0.2124
Android (android.graphics.Color)	4278228707 (0xFF0096E3)
YUV	113.9280, 55.7445, -99.9149
Hunter-Lab	52.3055, -6.9985, -50.2693

Details

The XYZ color **24.7715, 27.3587, 76.6482** 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 **34.3375, 21.6478, 2.3705**, and the grayscale version is **15.8415, 16.6665, 18.1498**.

A 20% lighter version of the original color is **45.4686, 53.4090, 102.5203**, and **11.9079, 12.0546, 40.2272** is the 20% darker color. If you saturate the color by 10%, you get **24.7683, 27.3522, 76.6477**, and if you desaturate by 10%, it is **26.3895, 30.0781, 77.0884**.

Distribution



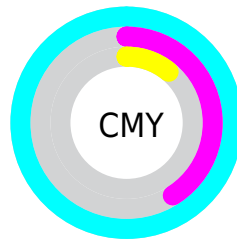
- Red (0%)
- Green (59%)
- Blue (89%)



- Red (0%)
- Yellow (35%)
- 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 24.7715, 27.3587, 76.6482 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 24.7715, 27.3587, 76.6482 by changing the saturation by 10% instead.

■ 24.7715, 27.3587,
76.6482

■ 24.7715, 27.3587,
76.6482

269.0668,
289.3897, 502.9695

■ 16.0347, 17.8428,
56.4543

■ 50.7319, 55.4589,
130.4112

■ 9.6397, 10.8372,
40.1609

■ 68.6861, 74.8121,
164.8175

■ 5.2212, 5.9575,
27.3493

■ 90.4436, 98.2130,
204.7983

■ 2.4137, 2.8192,
17.6009

■ 116.3697,
126.0463, 250.7722

■ 0.8519, 1.0381,
10.4974

■ 146.8297,
158.6962, 303.1577

■ 0.0000, 0.0000,
5.6201

182.1890,

■ 0.0000, 0.0000,

196.5471, 362.3734

2.5505

222.8129,
239.9835, 428.8378

■ 0.0000, 0.0000,
0.8667

■ 0.0000, 0.0000,
0.0000

■ 24.7715, 27.3587,
76.6482

■ 24.7715, 27.3587,
76.6482

■ 24.7683, 27.3522,
76.6477

■ 26.3895, 30.0781,
77.0884

■ 28.4963, 33.1713,
77.5744

■ 31.2248, 36.7094,
78.1135

■ 34.6514, 40.7337,
78.7097

■ 38.8409, 45.2799,
79.3664

■ 43.8498, 50.3789,
80.0866

■ 49.7292, 56.0592,
80.8731

■ 56.5256, 62.3467,
81.7285

■ 64.2823, 69.2654,
82.6552

Harmonies

Analogous

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



19.7277, 27.3587, 65.5409



24.7715, 27.3587, 76.6482



30.9847, 27.3587, 71.7961

Triad

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



24.7715, 27.3587, 76.6482



38.1517, 27.3587, 18.2684



17.7056, 27.3587, 14.1419

Complementary

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



24.7715, 27.3587, 76.6482



34.3375, 21.6478, 2.3705

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.



21.5872, 27.3587, 8.5350



24.7715, 27.3587, 76.6482



33.4867, 27.3587, 10.1902

Square

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



24.7715, 27.3587, 76.6482



39.3546, 27.3587, 33.5207



27.2759, 27.3587, 7.4380



16.0757, 27.3587, 26.3450

Rectangle

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



24.7715, 27.3587, 76.6482



34.9089, 27.3587, 60.8410



27.2759, 27.3587, 7.4380



18.7583, 27.3587, 11.6475

Sweetspot

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



24.7726, 27.3596, 76.6489



64.5564, 72.8070, 105.2584



28.7645, 55.4568, 15.9728



13.0945, 14.8934, 22.4345



0.0000, 0.0000, 0.0000



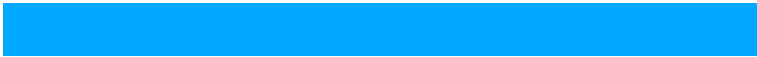
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7726, 27.3596, 76.6489



32.1411, 35.4023, 99.7470



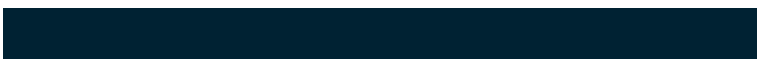
14.5555, 6.9255, 73.2432



14.3741, 15.4695, 18.3727



14.5570, 16.1760, 44.7382



1.1609, 1.3658, 3.3344

Inverse Universe

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



37.1846, 18.5345, 30.4723



48.3526, 24.1050, 39.3842



49.9151, 52.8030, 7.5630



14.7764, 14.5277, 17.0229



21.7412, 10.8307, 18.0639



1.6496, 0.8176, 1.5613

Previews

White Background



This preview shows how the XYZ color 24.7715, 27.3587, 76.6482 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 24.7715, 27.3587, 76.6482 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

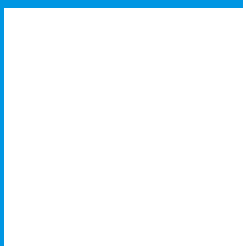
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7715, 27.3587, 76.6482

Background



This preview shows how black text looks on a background with the XYZ color 24.7715, 27.3587, 76.6482.

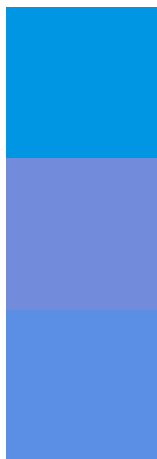


This preview shows how white text looks on a background with the XYZ color 24.7715, 27.3587,

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

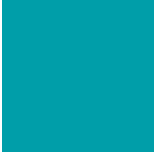
24.7715, 27.3587, 76.6482

Protanopia

28.8269, 27.1046, 70.0420

Deuteranopia

28.1302, 27.2273, 77.9015



Tritanopia

19.3883, 27.3183, 41.7872

Trichromacy



Original Color

24.7715, 27.3587, 76.6482

Protanomaly

25.6213, 26.2818, 72.1291

Deuteranomaly

25.8739, 26.7518, 77.1987

Tritanomaly

21.0156, 27.1604, 52.8500

Monochromacy



Original Color

24.7715, 27.3587, 76.6482

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.2534, 18.9618, 33.8137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7715, 27.3587, 76.6482 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, 150, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 227)  
}
```

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, 150, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 227) }
```

Border

The CSS property to change the border of an element to XYZ 24.7715, 27.3587, 76.6482 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, 150, 227) }
```


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

```
.border{ border-color:rgb(0, 150, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 150, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 150,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7715, 27.3587, 76.6482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 227) }
```

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

```
.background{ background-color: rgb(0, 150,  
227) }
```

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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