

Converting Colors

XYZ(10.2451, 19.6891, 77.3591)

Have a look what the booklet for
XYZ(10.2451, 19.6891, 77.3591)
contains.

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Color

**XYZ(24.8903, 27.1520,
78.0577)**

Conversions

Conversions Part 1

Format	Color
Hex	0095E5
RGB	0, 149, 229
RGB Percent	0%, 58%, 90%
CMY	0.9998, 0.4157, 0.1020
CMYK	1.00, 0.35, 0.00, 0.10
HSL	201°, 100%, 45%
HSV	201°, 100%, 90%
XYZ	24.8903, 27.1520, 78.0577
YIQ	113.5690, -114.4840, -6.7080

Conversions

Conversions Part 2

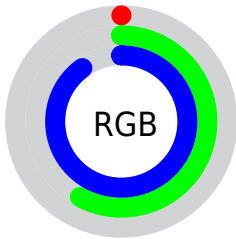
Format	Color
R _{YB}	0, 90, 229
Decimal	38373
CIE _{Lab}	59.11, -3.88, -49.49
CIE _{LCh}	59, 49.642, 265.517
Yxy	27.1520, 0.1913, 0.2087
Android (android.graphics.Color)	4278228453 (0xFF0095E5)
YUV	113.5690, 56.9075, -99.6000
Hunter-Lab	52.1076, -5.9239, -52.3417

Details

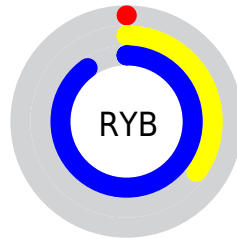
The XYZ color **24.8903, 27.1520, 78.0577** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.1869, 22.4046, 2.4718**, and the grayscale version is **15.7312, 16.5505, 18.0235**.

A 20% lighter version of the original color is **45.2316, 52.9351, 102.4413**, and **12.0047, 11.9408, 41.2073** is the 20% darker color. If you saturate the color by 10%, you get **24.8872, 27.1456, 78.0572**, and if you desaturate by 10%, it is **26.5530, 29.9540, 78.5115**.

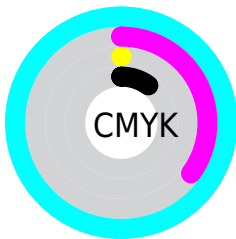
Distribution



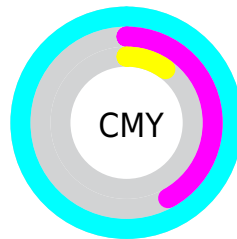
- Red (0%)
- Green (58%)
- Blue (90%)



- Red (0%)
- Yellow (35%)
- Blue (90%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (42%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8903, 27.1520, 78.0577 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 24.8903, 27.1520, 78.0577 by changing the saturation by 10% instead.

■ 24.8903, 27.1520,
78.0577

■ 24.8903, 27.1520,
78.0577

269.6489,
288.3923, 507.8959

■ 16.1236, 17.6874,
57.6046

■ 50.9234, 55.1277,
132.4181

■ 9.7031, 10.7258,
41.0783

■ 68.9205, 74.4076,
167.1625

■ 5.2633, 5.8828,
28.0601

■ 90.7252, 97.7280,
207.5077

■ 2.4389, 2.7739,
18.1315

■ 116.7027,
125.4734, 253.8724

■ 0.8645, 1.0149,
10.8740

■ 147.2185,
158.0281, 306.6750

■ 0.0000, 0.0000,
5.8691

182.6379,

■ 0.0000, 0.0000,

195.7766, 366.3341

2.6981

223.3263,
239.1032, 433.2682

■ 0.0000, 0.0000,
0.9425

■ 0.0000, 0.0000,
0.0000

■ 24.8903, 27.1520,
78.0577

■ 24.8903, 27.1520,
78.0577

■ 24.8872, 27.1456,
78.0572

■ 26.5530, 29.9540,
78.5115

■ 28.7196, 33.1471,
79.0136

■ 31.5254, 36.8038,
79.5716

■ 35.0488, 40.9668,
80.1894

■ 39.3559, 45.6727,
80.8707

■ 44.5049, 50.9536,
81.6187

■ 50.5479, 56.8385,
82.4361

■ 57.5328, 63.3544,
83.3256

■ 65.5036, 70.5259,
84.2898

Harmonies

Analogous

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



19.6529, 27.1520, 67.3735



24.8903, 27.1520, 78.0577



31.2658, 27.1520, 72.0813

Triad

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



24.8903, 27.1520, 78.0577



38.0706, 27.1520, 17.2042



17.2069, 27.1520, 14.1911

Complementary

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



24.8903, 27.1520, 78.0577



35.1869, 22.4046, 2.4718

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.



21.0239, 27.1520, 8.2727



24.8903, 27.1520, 78.0577



33.1282, 27.1520, 9.4626

Square

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



24.8903, 27.1520, 78.0577



39.5425, 27.1520, 32.3019



26.7463, 27.1520, 6.9733



15.6897, 27.1520, 26.9852

Rectangle

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



24.8903, 27.1520, 78.0577



35.2365, 27.1520, 60.3563



26.7463, 27.1520, 6.9733



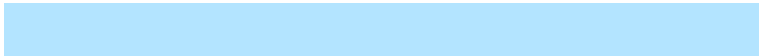
18.2307, 27.1520, 11.5678

Sweetspot

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



24.8914, 27.1529, 78.0584



64.3423, 72.3787, 105.1870



29.3379, 56.5665, 16.2782



13.0433, 14.7910, 22.4175



0.0000, 0.0000, 0.0000



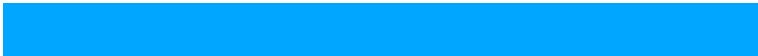
20.3446, 21.4041, 23.3091

Same Dimension

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



24.8914, 27.1529, 78.0584



31.6669, 34.4538, 99.5890



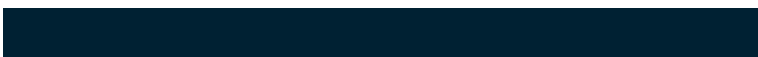
14.8439, 7.0578, 74.7092



14.3614, 15.4442, 18.3684



14.3461, 15.7542, 44.6679



1.1464, 1.3367, 3.3296

Inverse Universe

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



37.7389, 18.8294, 30.0797



48.1132, 24.0093, 38.1237



50.9105, 53.8520, 7.7130



14.7700, 14.5252, 16.9892



21.6347, 10.7881, 17.5034



1.6423, 0.8146, 1.5227

Previews

White Background



This preview shows how the XYZ color 24.8903, 27.1520, 78.0577 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 24.8903, 27.1520, 78.0577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

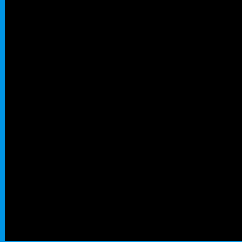
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

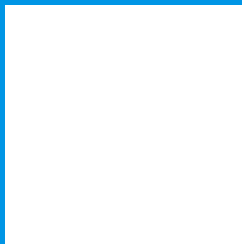
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8903, 27.1520, 78.0577

Background



This preview shows how black text looks on a background with the XYZ color 24.8903, 27.1520, 78.0577.

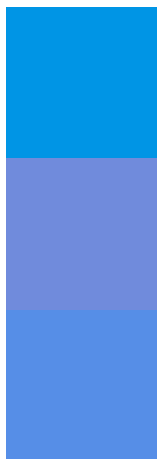


This preview shows how white text looks on a background with the XYZ color 24.8903, 27.1520,

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

24.8903, 27.1520, 78.0577

Protanopia

28.8330, 27.0773, 71.4169

Deuteranopia

27.9346, 27.0940, 79.3587



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

24.8903, 27.1520, 78.0577

Protanomaly

25.7403, 26.3122, 73.5341

Deuteranomaly

25.9839, 26.7762, 78.6617

Tritanomaly

20.9596, 26.8728, 53.3725

Monochromacy



Original Color

24.8903, 27.1520, 78.0577

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3378, 18.9955, 34.2579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8903, 27.1520, 78.0577 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, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 229) }
```

Border

The CSS property to change the border of an element to XYZ 24.8903, 27.1520, 78.0577 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, 229) }
```


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

```
.border{ border-color:rgb(0, 149, 229) }
```

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, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8903, 27.1520, 78.0577 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, 229) }
```

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

```
.background{ background-color: rgb(0, 149,  
229) }
```

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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