

Converting Colors

XYZ(9.8450, 18.9946, 77.8194)

Have a look what the booklet for
XYZ(9.8450, 18.9946, 77.8194)
contains.

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Color

**XYZ(24.7166, 26.5806,
78.6908)**

Conversions

Conversions Part 1

Format	Color
Hex	0093E6
RGB	0, 147, 230
RGB Percent	0%, 58%, 90%
CMY	0.9998, 0.4235, 0.0980
CMYK	1.00, 0.36, 0.00, 0.10
HSL	202°, 100%, 45%
HSV	202°, 100%, 90%
XYZ	24.7166, 26.5806, 78.6908
YIQ	112.5090, -114.2550, -5.3510

Conversions

Conversions Part 2

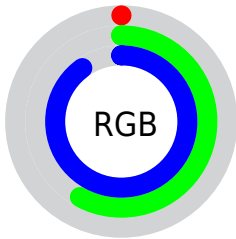
Format	Color
R _Y B	0, 90, 230
Decimal	37862
CIE Lab	58.58, -2.34, -50.89
CIE LCh	59, 50.941, 267.368
Yxy	26.5806, 0.1901, 0.2045
Android (android.graphics.Color)	4278227942 (0xFF0093E6)
YUV	112.5090, 57.9231, -98.6704
Hunter-Lab	51.5564, -4.6491, -54.4052

Details

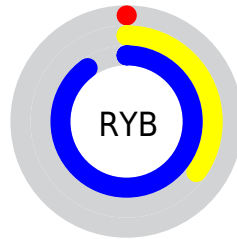
The XYZ color **24.7166, 26.5806, 78.6908** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.7312, 23.0182, 2.5613**, and the grayscale version is **15.4148, 16.2176, 17.6610**.

A 20% lighter version of the original color is **44.8805, 52.0575, 102.2904**, and **11.9147, 11.6054, 41.6565** is the 20% darker color. If you saturate the color by 10%, you get **24.7139, 26.5748, 78.6904**, and if you desaturate by 10%, it is **26.4096, 29.4398, 79.1540**.

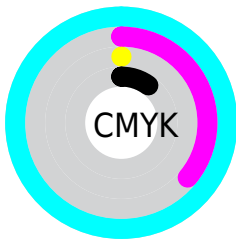
Distribution



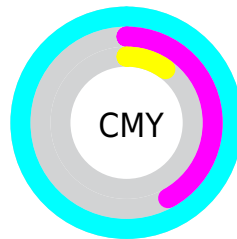
- Red (0%)
- Green (58%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (10%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7166, 26.5806, 78.6908 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 24.7166, 26.5806, 78.6908 by changing the saturation by 10% instead.

■ 24.7166, 26.5806,
78.6908

■ 24.7166, 26.5806,
78.6908

268.7974,
285.6207, 510.0997

■ 15.9936, 17.2585,
58.1218

■ 50.6433, 54.2101,
133.3182

■ 9.6105, 10.4190,
41.4912

■ 68.5778, 73.2863,
168.2137

■ 5.2017, 5.6776,
28.3805

■ 90.3134, 96.3827,
208.7217

■ 2.4021, 2.6501,
18.3712

■ 116.2157,
123.8836, 255.2609

■ 0.8461, 0.9519,
11.0446

■ 146.6498,
156.1735, 308.2498

■ 0.0000, 0.0000,
5.9823

181.9813,

■ 0.0000, 0.0000,

193.6367, 368.1068

2.7657

222.5753,
236.6576, 435.2506

■ 0.0000, 0.0000,
0.9763

■ 0.0000, 0.0000,
0.0000

■ 24.7166, 26.5806,
78.6908

■ 24.7166, 26.5806,
78.6908

■ 24.7139, 26.5748,
78.6904

■ 26.4096, 29.4398,
79.1540

■ 28.6172, 32.7052,
79.6680

■ 31.4761, 36.4502,
80.2402

■ 35.0658, 40.7184,
80.8748

■ 39.4532, 45.5470,
81.5756

■ 44.6974, 50.9689,
82.3457

■ 50.8511, 57.0138,
83.1882

■ 57.9629, 63.7090,
84.1056

■ 66.0776, 71.0801,
85.1007

Harmonies

Analogous

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



19.3255, 26.5806, 68.6458



24.7166, 26.5806, 78.6908



31.1970, 26.5806, 71.4932

Triad

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



24.7166, 26.5806, 78.6908



37.5009, 26.5806, 15.8347



16.4396, 26.5806, 14.0744

Complementary

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



24.7166, 26.5806, 78.6908



35.7312, 23.0182, 2.5613

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.



20.1355, 26.5806, 7.8822



24.7166, 26.5806, 78.6908



32.3093, 26.5806, 8.5646

Square

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



24.7166, 26.5806, 78.6908



39.2604, 26.5806, 30.5500



25.8196, 26.5806, 6.3860



15.0658, 26.5806, 27.3910

Rectangle

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



24.7166, 26.5806, 78.6908



35.1700, 26.5806, 59.0462



25.8196, 26.5806, 6.3860



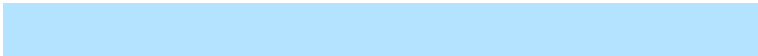
17.4183, 26.5806, 11.3376

Sweetspot

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



24.7177, 26.5814, 78.6915



64.1001, 71.8944, 105.1063



29.7656, 57.1816, 17.1621



12.9855, 14.6754, 22.3982



0.0000, 0.0000, 0.0000



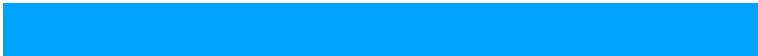
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7177, 26.5814, 78.6915



31.1396, 33.3991, 99.4132



14.8715, 6.8892, 75.4095



14.3470, 15.4154, 18.3636



14.1114, 15.2849, 44.5897



1.1301, 1.3042, 3.3241

Inverse Universe

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



37.9006, 18.9310, 29.2608



47.8470, 23.9028, 36.7220



52.2631, 56.0820, 8.0719



14.7627, 14.5223, 16.9510



21.5163, 10.7407, 16.8796



1.6341, 0.8113, 1.4795

Previews

White Background



This preview shows how the XYZ color 24.7166, 26.5806, 78.6908 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 24.7166, 26.5806, 78.6908 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

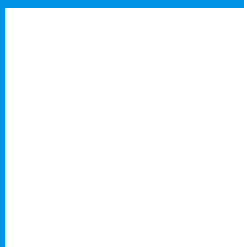
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7166, 26.5806, 78.6908

Background



This preview shows how black text looks on a background with the XYZ color 24.7166, 26.5806, 78.6908.

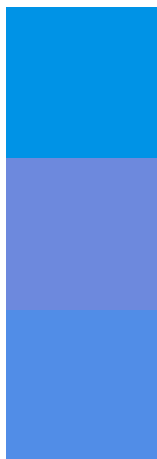


This preview shows how white text looks on a background with the XYZ color 24.7166, 26.5806,

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

24.7166, 26.5806, 78.6908

Protanopia

28.3035, 26.3630, 72.0034

Deuteranopia

27.3420, 26.5686, 79.2885



Tritanopia

18.8635, 26.5670, 40.6929

Trichromacy



Original Color

24.7166, 26.5806, 78.6908

Protanomaly

25.4337, 25.6968, 74.1405

Deuteranomaly

25.6624, 26.1445, 79.2951

Tritanomaly

20.6855, 26.5002, 52.7400

Monochromacy



Original Color

24.7166, 26.5806, 78.6908

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0069, 18.4452, 34.1691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7166, 26.5806, 78.6908 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, 147, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 230)  
}
```

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, 147, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 230) }
```

Border

The CSS property to change the border of an element to XYZ 24.7166, 26.5806, 78.6908 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, 147, 230) }
```


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

```
.border{ border-color:rgb(0, 147, 230) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7166, 26.5806, 78.6908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 230) }
```

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

```
.background{ background-color: rgb(0, 147,  
230) }
```

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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