

Converting Colors

XYZ(22.5176, 25.7673, 75.7947)

Have a look what the booklet for
XYZ(22.5176, 25.7673, 75.7947)
contains.

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Color

**XYZ(24.3174, 26.6708,
75.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	0094E2
RGB	0, 148, 226
RGB Percent	0%, 58%, 89%
CMY	0.9998, 0.4196, 0.1137
CMYK	1.00, 0.35, 0.00, 0.11
HSL	201°, 100%, 44%
HSV	201°, 100%, 89%
XYZ	24.3174, 26.6708, 75.8178
YIQ	112.6400, -113.2460, -7.1180

Conversions

Conversions Part 2

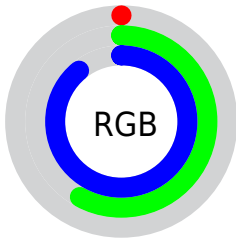
Format	Color
R _{YB}	0, 89, 226
Decimal	38114
CIE _{Lab}	58.67, -4.43, -48.53
CIE _{LCh}	59, 48.733, 264.785
Yxy	26.6708, 0.1918, 0.2103
Android (android.graphics.Color)	4278228194 (0xFF0094E2)
YUV	112.6400, 55.8865, -98.7853
Hunter-Lab	51.6438, -6.3267, -50.8925

Details

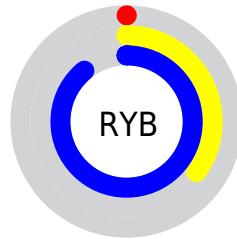
The XYZ color **24.3174, 26.6708, 75.8178** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **34.0933, 21.6264, 2.3792**, and the grayscale version is **15.4594, 16.2645, 17.7120**.

A 20% lighter version of the original color is **44.9962, 52.4643, 102.3628**, and **11.6234, 11.6376, 39.6639** is the 20% darker color. If you saturate the color by 10%, you get **24.3144, 26.6646, 75.8174**, and if you desaturate by 10%, it is **25.9287, 29.3802, 76.2564**.

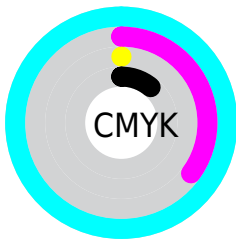
Distribution



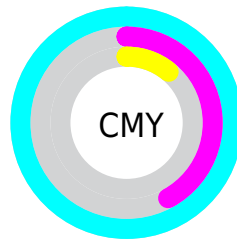
- Red (0%)
- Green (58%)
- Blue (89%)



- 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 24.3174, 26.6708, 75.8178 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 24.3174, 26.6708, 75.8178 by changing the saturation by 10% instead.

■ 24.3174, 26.6708,
75.8178

■ 24.3174, 26.6708,
75.8178

266.8320,
286.0596, 500.0540

■ 15.6952, 17.3261,
55.7774

■ 49.9986, 54.3552,
129.2271

■ 9.3982, 10.4673,
39.6216

■ 67.7883, 73.4636,
163.4329

■ 5.0610, 5.7099,
26.9321

■ 89.3646, 96.5955,
203.1977

■ 2.3182, 2.6695,
17.2903

■ 115.0928,
124.1352, 248.9399

■ 0.8040, 0.9617,
10.2775

■ 145.3383,
156.4670, 301.0781

■ 0.0000, 0.0000,
5.4753

180.4664,

■ 0.0000, 0.0000,

193.9755, 360.0308

2.4652

220.8426,
237.0449, 426.2166

■ 0.0000, 0.0000,
0.8216

■ 0.0000, 0.0000,
0.0000

■ 24.3174, 26.6708,
75.8178

■ 24.3174, 26.6708,
75.8178

■ 24.3144, 26.6646,
75.8174

■ 25.9287, 29.3802,
76.2564

■ 28.0263, 32.4648,
76.7413

■ 30.7418, 35.9950,
77.2795

■ 34.1512, 40.0122,
77.8752

■ 38.3183, 44.5514,
78.5318

■ 43.2994, 49.6437,
79.2522

■ 49.1450, 55.3173,
80.0392

■ 55.9011, 61.5979,
80.8953

■ 63.6106, 68.5094,
81.8231

Harmonies

Analogous

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



19.2725, 26.6708, 65.1742



24.3174, 26.6708, 75.8178



30.4899, 26.6708, 70.4492

Triad

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



24.3174, 26.6708, 75.8178



37.3072, 26.6708, 17.2930



17.0579, 26.6708, 13.8720

Complementary

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



24.3174, 26.6708, 75.8178



34.0933, 21.6264, 2.3792

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.



20.8225, 26.6708, 8.2103



24.3174, 26.6708, 75.8178



32.5866, 26.6708, 9.5705

Square

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



24.3174, 26.6708, 75.8178



38.6332, 26.6708, 32.1421



26.4110, 26.6708, 7.0229



15.5246, 26.6708, 26.1442

Rectangle

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



24.3174, 26.6708, 75.8178



34.3575, 26.6708, 59.2986



26.4110, 26.6708, 7.0229



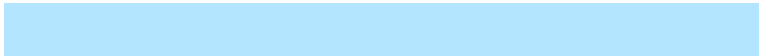
18.0726, 26.6708, 11.3588

Sweetspot

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



24.3184, 26.6716, 75.8185



64.4312, 72.5565, 105.2167



28.4802, 54.9067, 15.8210



13.0645, 14.8335, 22.4245



0.0000, 0.0000, 0.0000



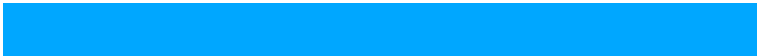
20.3446, 21.4041, 23.3091

Same Dimension

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



24.3184, 26.6716, 75.8185



31.8629, 34.8458, 99.6543



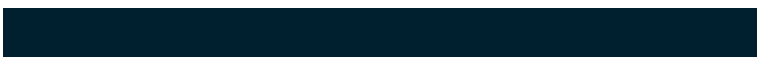
14.4125, 6.8597, 72.5165



13.6974, 14.7340, 17.5097



13.9860, 15.4416, 43.2917



1.0519, 1.2354, 3.0282

Inverse Universe

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



36.7103, 18.3084, 29.6165



48.2121, 24.0488, 38.6446



49.4215, 52.2827, 7.4885



14.0835, 13.8510, 16.2099



20.9997, 10.4669, 17.1960



1.4972, 0.7422, 1.4113

Previews

White Background



This preview shows how the XYZ color 24.3174, 26.6708, 75.8178 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 24.3174, 26.6708, 75.8178 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

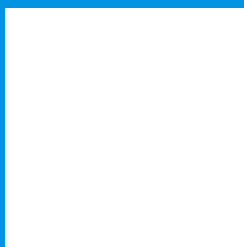
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3174, 26.6708, 75.8178

Background



This preview shows how black text looks on a background with the XYZ color 24.3174, 26.6708, 75.8178.

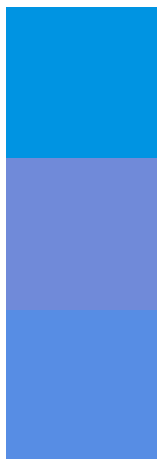


This preview shows how white text looks on a background with the XYZ color 24.3174, 26.6708,

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

24.3174, 26.6708, 75.8178

Protanopia

28.2950, 26.6315, 69.2947

Deuteranopia

27.4589, 26.6774, 77.1008



Tritanopia

18.8635, 26.5670, 40.6929

Trichromacy



Original Color

24.3174, 26.6708, 75.8178

Protanomaly

25.1898, 25.8529, 71.3726

Deuteranomaly

25.4139, 26.3048, 76.4109

Tritanomaly

20.4683, 26.4133, 51.5964

Monochromacy



Original Color

24.3174, 26.6708, 75.8178

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9661, 18.6325, 33.3268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3174, 26.6708, 75.8178 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, 148, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 226)  
}
```

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, 148, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 226) }
```

Border

The CSS property to change the border of an element to XYZ 24.3174, 26.6708, 75.8178 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, 148, 226) }
```


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

```
.border{ border-color:rgb(0, 148, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3174, 26.6708, 75.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 226) }
```

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

```
.background{ background-color: rgb(0, 148,  
226) }
```

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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