

Converting Colors

XYZ(24.4810, 25.7002, 77.8026)

Have a look what the booklet for
XYZ(24.4810, 25.7002, 77.8026)
contains.

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Color

**XYZ(24.5421, 25.8233,
77.8196)**

Conversions

Conversions Part 1

Format	Color
Hex	1A90E5
RGB	26, 144, 229
RGB Percent	10%, 56%, 90%
CMY	0.8979, 0.4353, 0.1020
CMYK	0.89, 0.37, 0.00, 0.10
HSL	205°, 80%, 50%
HSV	205°, 89%, 90%
XYZ	24.5421, 25.8233, 77.8196
YIQ	118.4080, -97.6130, 1.4190

Conversions

Conversions Part 2

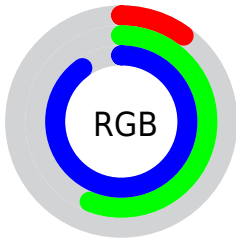
Format	Color
R _Y B	26, 101, 229
Decimal	1741029
CIE Lab	57.87, -0.01, -51.46
CIE LCh	58, 51.456, 269.990
Yxy	25.8233, 0.1915, 0.2015
Android (android.graphics.Color)	4279931109 (0xFF1A90E5)
YUV	118.4080, 54.5219, -81.0418
Hunter-Lab	50.8166, -2.7218, -55.2239

Details

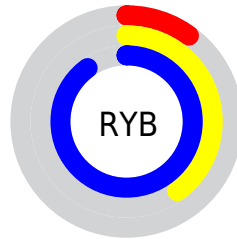
The XYZ color **24.5421, 25.8233, 77.8196** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **38.1875, 28.1076, 4.3915**, and the grayscale version is **17.2069, 18.1030, 19.7142**.

A 20% lighter version of the original color is **44.5718, 50.5320, 102.0122**, and **11.5455, 11.0225, 41.0542** is the 20% darker color. If you saturate the color by 10%, you get **22.7642, 22.8415, 77.3383**, and if you desaturate by 10%, it is **26.8944, 29.2849, 78.3644**.

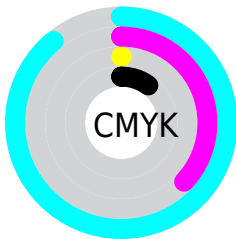
Distribution



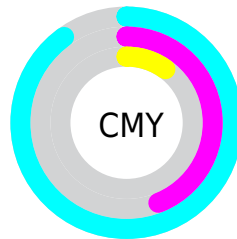
- Red (10%)
- Green (56%)
- Blue (90%)



- Red (10%)
- Yellow (40%)
- Blue (90%)



- Cyan (89%)
- Magenta (37%)
- Yellow (0%)
- Black (10%)



- Cyan (90%)
- Magenta (44%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5421, 25.8233, 77.8196 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 24.5421, 25.8233, 77.8196 by changing the saturation by 10% instead.

■ 24.5421, 25.8233,
77.8196

■ 24.5421, 25.8233,
77.8196

267.9397,
281.9136, 507.0656

■ 15.8631, 16.6915,
57.4102

■ 50.3617, 52.9897,
132.0793

■ 9.5176, 10.0148,
40.9231

■ 68.2330, 71.7932,
166.7668

■ 5.1401, 5.4088,
27.9398

■ 89.8991, 94.5893,
207.0507

■ 2.3653, 2.4890,
18.0416

■ 115.7254,
121.7624, 253.3495

■ 0.8278, 0.8711,
10.8101

■ 146.0773,
153.6971, 306.0819

■ 0.0000, 0.0000,
5.8267

181.3201,

■ 0.0000, 0.0000,

190.7775, 365.6664

2.6729

221.8191,
233.3882, 432.5214

■ 0.0000, 0.0000,
0.9298

■ 0.0000, 0.0000,
0.0000

■ 24.5421, 25.8233,
77.8196

■ 24.5421, 25.8233,
77.8196

■ 22.7642, 22.8415,
77.3383

■ 26.8944, 29.2849,
78.3644

■ 22.5444, 22.4601,
77.2763

■ 29.9320, 33.2871,
78.9768

■ 33.7338, 37.8750,
79.6619

■ 38.3657, 43.0867,
80.4238

■ 43.8862, 48.9563,
81.2658

■ 50.3480, 55.5149,
82.1911

■ 57.7993, 62.7910,
83.2028

■ 66.2849, 70.8113,
84.3037

■ 75.8467, 79.6011,
85.4963

Harmonies

Analogous

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



19.0607, 25.8233, 69.1561



24.5421, 25.8233, 77.8196



30.9856, 25.8233, 69.1674

Triad

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



24.5421, 25.8233, 77.8196



36.3606, 25.8233, 14.2913



15.6148, 25.8233, 14.2844

Complementary

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



24.5421, 25.8233, 77.8196



38.1875, 28.1076, 4.3915

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.



19.0639, 25.8233, 7.7243



24.5421, 25.8233, 77.8196



30.9900, 25.8233, 7.7270

Square

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



24.5421, 25.8233, 77.8196



38.4705, 25.8233, 28.1234



24.5464, 25.8233, 5.9521



14.4642, 25.8233, 28.1110

Rectangle

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



24.5421, 25.8233, 77.8196



34.8332, 25.8233, 56.2120



24.5464, 25.8233, 5.9521



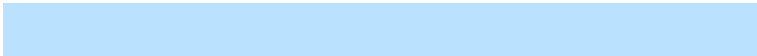
16.5117, 25.8233, 11.4051

Sweetspot

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



24.5431, 25.8241, 77.8203



65.5781, 72.1618, 105.0800



31.2935, 57.3979, 24.3532



13.3867, 14.7986, 22.4008



0.0000, 0.0000, 0.0000



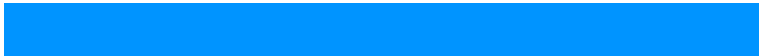
20.3446, 21.4041, 23.3091

Same Dimension

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



24.5431, 25.8241, 77.8203



28.6734, 28.4668, 98.5911



15.4314, 7.6007, 74.7830



14.2752, 15.2718, 18.3397



13.0113, 13.0847, 44.2230



1.0528, 1.1496, 3.2984

Inverse Universe

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



37.7175, 19.4118, 28.1450



46.6022, 23.4049, 30.1669



56.0652, 63.8630, 10.3507



14.7265, 14.5078, 16.7602



20.9610, 10.5186, 13.9556



1.5950, 0.7957, 1.2740

Previews

White Background



This preview shows how the XYZ color 24.5421, 25.8233, 77.8196 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 24.5421, 25.8233, 77.8196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

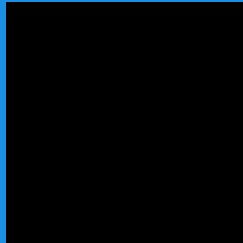
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

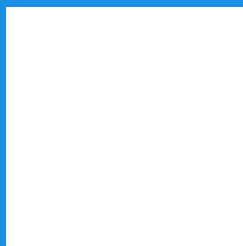
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5421, 25.8233, 77.8196

Background



This preview shows how black text looks on a background with the XYZ color 24.5421, 25.8233, 77.8196.

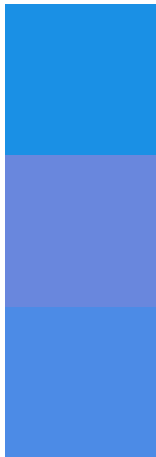


This preview shows how white text looks on a background with the XYZ color 24.5421, 25.8233,

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

24.5421, 25.8233, 77.8196

Protanopia

27.5408, 25.5517, 71.8870

Deuteranopia

26.4960, 25.7149, 78.4299



Tritanopia

18.3471, 25.8278, 39.6156

Trichromacy



Original Color

24.5421, 25.8233, 77.8196

Protanomaly

25.5235, 25.0953, 74.0196

Deuteranomaly

25.5527, 25.6625, 78.4695

Tritanomaly

20.0961, 25.5016, 51.4401

Monochromacy



Original Color

24.5421, 25.8233, 77.8196

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5072, 19.5787, 35.2041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5421, 25.8233, 77.8196 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(26, 144, 229)` looks like.

```
.text, #text, p{  
    color:rgb(26, 144, 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(26, 144, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 144, 229) }
```

Border

The CSS property to change the border of an element to XYZ 24.5421, 25.8233, 77.8196 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(26, 144, 229) }
```


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

```
.border{ border-color:rgb(26, 144, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 144, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 144, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 144, 229);  
box-shadow:4px 4px 4px 4px rgb(26, 144,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5421, 25.8233, 77.8196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 144, 229) }
```

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

```
.background{ background-color: rgb(26, 144,  
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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