

Converting Colors

XYZ(24.2475, 25.4678, 77.7665)

Have a look what the booklet for
XYZ(24.2475, 25.4678, 77.7665)
contains.

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Color

**XYZ(24.2339, 25.4405,
77.7620)**

Conversions

Conversions Part 1	
Format	Color
Hex	138FE5
RGB	19, 143, 229
RGB Percent	7%, 56%, 90%
CMY	0.9253, 0.4392, 0.1020
CMYK	0.92, 0.38, 0.00, 0.10
HSL	205°, 85%, 49%
HSV	205°, 92%, 90%
XYZ	24.2339, 25.4405, 77.7620
YIQ	115.7280, -101.5100, 0.4580

Conversions

Conversions Part 2

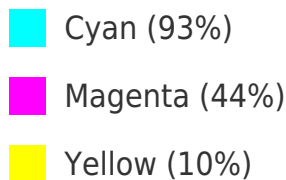
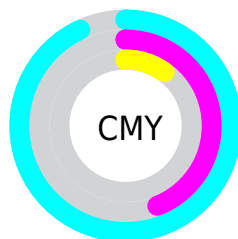
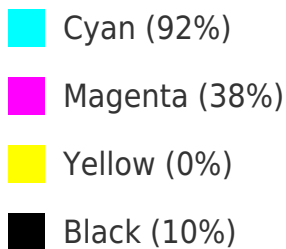
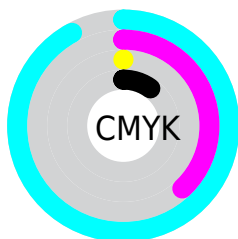
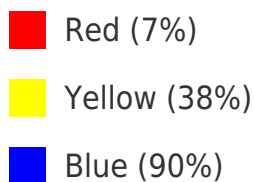
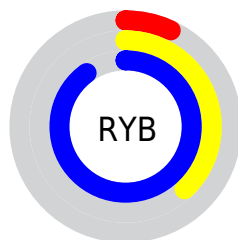
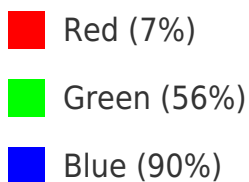
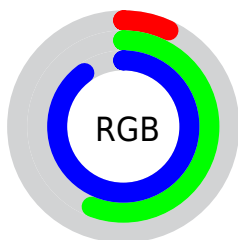
Format	Color
RYB	19, 97, 229
Decimal	1282021
CIELab	57.50, 0.23, -52.04
CIELCh	58, 52.045, 270.257
Yxy	25.4405, 0.1902, 0.1996
Android (android.graphics.Color)	4279472101 (0xFF138FE5)
YUV	115.7280, 55.8431, -84.8305
Hunter-Lab	50.4386, -2.5048, -56.1014

Details

The XYZ color **24.2339, 25.4405, 77.7620** 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 **37.4869, 26.8166, 3.8182**, and the grayscale version is **16.3783, 17.2312, 18.7648**.

A 20% lighter version of the original color is **44.0966, 49.9511, 101.9251**, and **11.4572, 10.8458, 41.0248** is the 20% darker color. If you saturate the color by 10%, you get **22.8352, 23.0416, 77.3733**, and if you desaturate by 10%, it is **26.3855, 28.7285, 78.2838**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2339, 25.4405, 77.7620 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 24.2339, 25.4405, 77.7620 by changing the saturation by 10% instead.


 24.2339, 25.4405,
77.7620


 24.2339, 25.4405,
77.7620


266.4195,
280.0246, 506.8647


 15.6329, 16.4055,
57.3632


 49.8635, 52.3709,
131.9974


 9.3540, 9.8116,
40.8856


 67.6229, 71.0352,
166.6710


 5.0317, 5.2742,
27.9107


 89.1657, 93.6781,
206.9401

 2.3008, 2.4090,
18.0199

 114.8573,
120.6839, 253.2230

 0.7951, 0.8305,
10.7947

 145.0632,
152.4370, 305.9384

 0.0000, 0.0000,
5.8165

180.1486,

 0.0000, 0.0000,

189.3220, 365.5048

2.6669

220.4789,
231.7230, 432.3407

0.0000, 0.0000,
0.9267

0.0000, 0.0000,
0.0000

24.2339, 25.4405,
77.7620

24.2339, 25.4405,
77.7620

22.8352, 23.0416,
77.3733

26.3855, 28.7285,
78.2838

29.1906, 32.5320,
78.8701

32.7324, 36.8982,
79.5262

37.0799, 41.8665,
80.2560

■ 42.2933, 47.4716,
81.0632

■ 48.4266, 53.7450,
81.9508

■ 55.5293, 60.7158,
82.9219

■ 63.6470, 68.4108,
83.9794

■ 72.8223, 76.8554,
85.1258

Harmonies

Analogous

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



18.7372, 25.4405, 69.1542



24.2339, 25.4405, 77.7620



30.6956, 25.4405, 68.8730

Triad

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



24.2339, 25.4405, 77.7620



36.0032, 25.4405, 13.8171



15.2394, 25.4405, 13.9844

Complementary

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



24.2339, 25.4405, 77.7620



37.4869, 26.8166, 3.8182

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.



18.6593, 25.4405, 7.4422



24.2339, 25.4405, 77.7620



30.5872, 25.4405, 7.3786

Square

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



24.2339, 25.4405, 77.7620



38.1615, 25.4405, 27.5476



24.1270, 25.4405, 5.6695



14.1144, 25.4405, 27.8537

Rectangle

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



24.2339, 25.4405, 77.7620



34.5494, 25.4405, 55.7505



24.1270, 25.4405, 5.6695



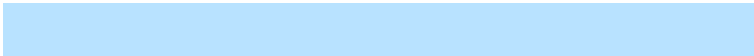
16.1263, 25.4405, 11.1085

Sweetspot

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



24.2349, 25.4413, 77.7627



64.8512, 71.6204, 105.0138



30.7383, 57.1577, 22.2508



13.0814, 14.5338, 22.3658



0.0000, 0.0000, 0.0000



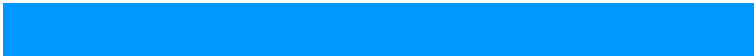
20.3446, 21.4041, 23.3091

Same Dimension

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



24.2349, 25.4413, 77.7627



29.0447, 29.2094, 98.7149



15.1723, 7.3161, 74.7418



14.2866, 15.2945, 18.3435



13.1772, 13.4166, 44.2783



1.0646, 1.1732, 3.3023

Inverse Universe

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



37.5049, 19.1085, 27.6986



46.7896, 23.4798, 31.1538



54.9883, 61.8194, 9.6520



14.7322, 14.5101, 16.7903



21.0448, 10.5521, 14.3966



1.6010, 0.7981, 1.3054

Previews

White Background



This preview shows how the XYZ color 24.2339, 25.4405, 77.7620 looks on a white background.

Color Contrast Check

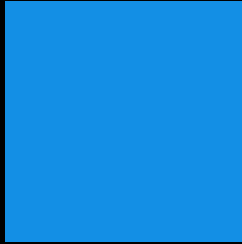
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2339, 25.4405, 77.7620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

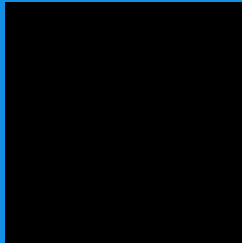
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

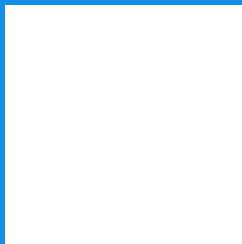
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2339, 25.4405, 77.7620

Background



This preview shows how black text looks on a background with the XYZ color 24.2339, 25.4405, 77.7620.

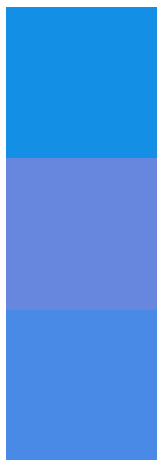


This preview shows how white text looks on a background with the XYZ color 24.2339, 25.4405,

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

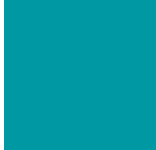
24.2339, 25.4405, 77.7620

Protanopia

27.1698, 25.1542, 71.8299

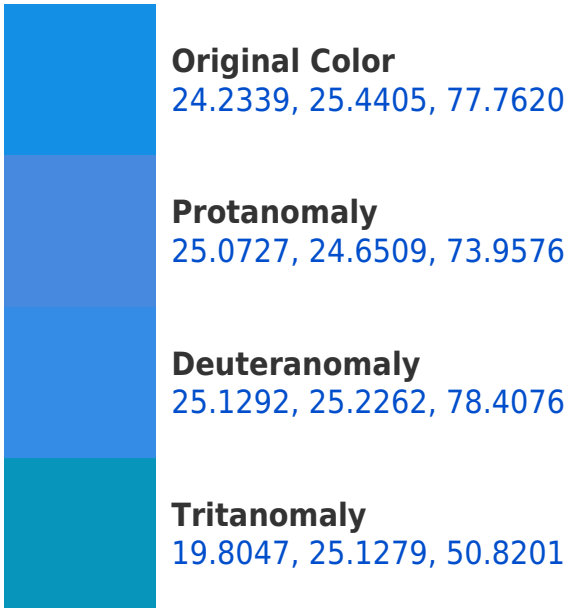
Deuteranopia

26.1191, 25.3066, 78.3710

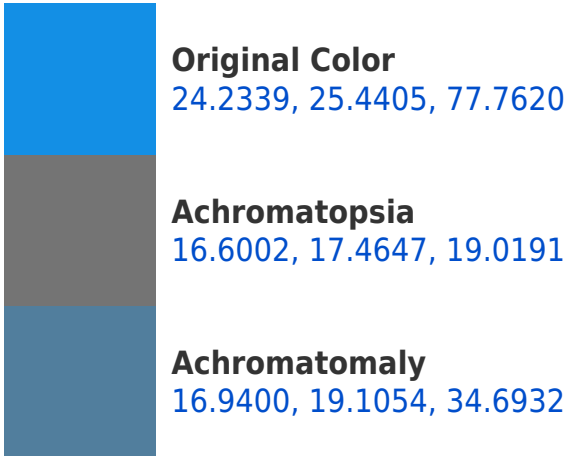


Tritanopia
18.0021, 25.4268, 38.6094

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2339, 25.4405, 77.7620 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(19, 143, 229)` looks like.

```
.text, #text, p{  
    color:rgb(19, 143, 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(19, 143, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 143, 229) }
```

Border

The CSS property to change the border of an element to XYZ 24.2339, 25.4405, 77.7620 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(19, 143, 229) }
```


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

```
.border{ border-color:rgb(19, 143, 229) }
```

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

Here you see how a box with a 4 pixel rgb(19, 143, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 143, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 143, 229);  
box-shadow:4px 4px 4px 4px rgb(19, 143,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2339, 25.4405, 77.7620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 143, 229) }
```

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

```
.background{ background-color: rgb(19, 143,  
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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