

Converting Colors

XYZ(24.4573, 24.2404, 82.9373)

Have a look what the booklet for
XYZ(24.4573, 24.2404, 82.9373)
contains.

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Color

**XYZ(24.4974, 24.3715,
82.7699)**

Conversions

Conversions Part 1

Format	Color
Hex	138AEC
RGB	19, 138, 236
RGB Percent	7%, 54%, 93%
CMY	0.9253, 0.4588, 0.0745
CMYK	0.92, 0.42, 0.00, 0.07
HSL	207°, 85%, 50%
HSV	207°, 92%, 93%
XYZ	24.4974, 24.3715, 82.7699
YIQ	113.5910, -102.3820, 5.2500

Conversions

Conversions Part 2

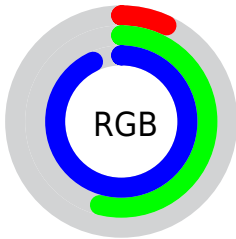
Format	Color
R_YB	19, 96, 236
Decimal	1280748
CIE Lab	56.46, 5.88, -57.60
CIE LCh	56, 57.902, 275.828
Yxy	24.3715, 0.1861, 0.1851
Android (android.graphics.Color)	4279470828 (0xFF138AEC)
YUV	113.5910, 60.3476, -82.9563
Hunter-Lab	49.3675, 2.1831, -64.8488

Details

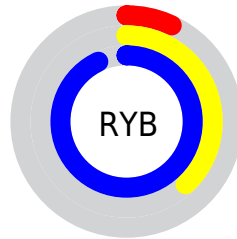
The XYZ color **24.4974, 24.3715, 82.7699** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **41.0768, 30.6132, 4.3621**, and the grayscale version is **15.7237, 16.5425, 18.0148**.

A 20% lighter version of the original color is **43.2363, 47.8611, 101.5671**, and **11.7091, 10.3994, 44.0380** is the 20% darker color. If you saturate the color by 10%, you get **23.0432, 21.8618, 82.3627**, and if you desaturate by 10%, it is **26.8157, 27.9499, 83.3390**.

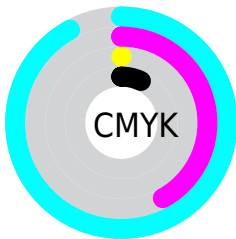
Distribution



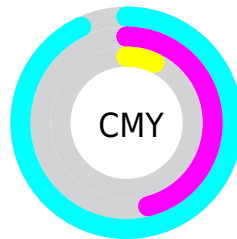
- Red (7%)
- Green (54%)
- Blue (93%)



- Red (7%)
- Yellow (38%)
- Blue (93%)



- Cyan (92%)
- Magenta (42%)
- Yellow (0%)
- Black (7%)



- Cyan (93%)
- Magenta (46%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4974, 24.3715, 82.7699 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 24.4974, 24.3715, 82.7699 by changing the saturation by 10% instead.

■ 24.4974, 24.3715,
82.7699

■ 24.4974, 24.3715,
82.7699

267.7197,
274.6933, 524.1702

■ 15.8297, 15.6094,
61.4608

■ 50.2895, 50.6358,
139.0995

■ 9.4938, 9.2482,
44.1642

■ 68.1446, 68.9067,
174.9571

■ 5.1243, 4.9034,
30.4615

■ 89.7929, 91.1161,
216.5013

■ 2.3559, 2.1907,
19.9341

■ 115.5997,
117.6484, 264.1507

■ 0.8230, 0.7149,
12.1636

■ 145.9305,
148.8878, 318.3237

■ 0.0000, 0.0000,
6.7313

181.1505,

■ 0.0000, 0.0000,

185.2188, 379.4389

3.2187

221.6251,
227.0259, 447.9149

■ 0.0000, 0.0000,
1.2074

■ 0.0000, 0.0000,
0.0000

■ 24.4974, 24.3715,
82.7699

■ 24.4974, 24.3715,
82.7699

■ 23.0432, 21.8618,
82.3627

■ 26.8157, 27.9499,
83.3390

■ 29.8572, 32.1298,
83.9855

■ 33.7131, 36.9646,
84.7155

■ 38.4590, 42.4987,
85.5335

■ 44.1611, 48.7718,
86.4438

■ 50.8787, 55.8198,
87.4502

■ 58.6658, 63.6757,
88.5561

■ 67.5727, 72.3703,
89.7649

■ 77.6460, 81.9326,
91.0796

Harmonies

Analogous

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



18.2792, 24.3715, 76.4393



24.4974, 24.3715, 82.7699



31.5539, 24.3715, 69.1023

Triad

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



24.4974, 24.3715, 82.7699



35.2589, 24.3715, 10.2679



13.2864, 24.3715, 14.1137

Complementary

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



24.4974, 24.3715, 82.7699



41.0768, 30.6132, 4.3621

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.



16.4117, 24.3715, 6.4543



24.4974, 24.3715, 82.7699



28.8505, 24.3715, 5.1017

Square

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



24.4974, 24.3715, 82.7699



38.4906, 24.3715, 22.9633



21.8806, 24.3715, 4.1533



12.5660, 24.3715, 30.4622

Rectangle

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



24.4974, 24.3715, 82.7699



35.5423, 24.3715, 53.1245



21.8806, 24.3715, 4.1533



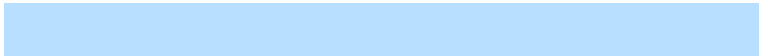
14.0565, 24.3715, 10.7388

Sweetspot

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



24.4984, 24.3722, 82.7706



64.0419, 70.0019, 104.7441



33.4569, 61.4070, 26.8190



12.8870, 14.1451, 22.3010



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.



24.4984, 24.3722, 82.7706



27.4011, 25.9222, 98.1670



15.8714, 7.1182, 79.8949



14.9158, 15.9180, 19.2086



12.8330, 12.3130, 45.4432



1.1036, 1.1587, 3.6004

Inverse Universe

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



39.4134, 20.1353, 25.8542



45.9600, 23.1480, 26.7852



61.6768, 71.8133, 11.2287



15.4110, 15.1923, 17.4498



21.3328, 10.7358, 12.8197



1.7235, 0.8624, 1.2616

Previews

White Background



This preview shows how the XYZ color 24.4974, 24.3715, 82.7699 looks on a white background.

Color Contrast Check

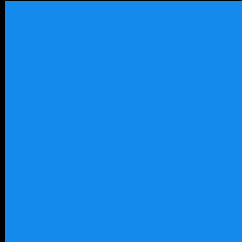
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4974, 24.3715, 82.7699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

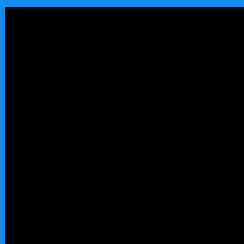
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

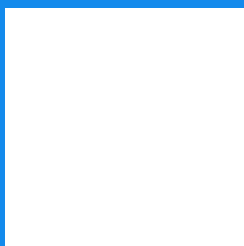
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.4974, 24.3715, 82.7699

Background



This preview shows how black text looks on a background with the XYZ color 24.4974, 24.3715, 82.7699.



This preview shows how white text looks on a background with the XYZ color 24.4974, 24.3715,

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

24.4974, 24.3715, 82.7699

Protanopia

26.6728, 24.1651, 77.3873

Deuteranopia

25.1168, 24.2688, 82.7174



Tritanopia

17.2515, 24.3508, 37.0486

Trichromacy



Original Color

24.4974, 24.3715, 82.7699

Protanomaly

25.2706, 24.0002, 79.6445

Deuteranomaly

24.8489, 24.3408, 82.7454

Tritanomaly

19.4436, 24.2338, 51.2298

Monochromacy



Original Color

24.4974, 24.3715, 82.7699

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.4790, 18.2968, 35.0109

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4974, 24.3715, 82.7699 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, 138, 236)` looks like.

```
.text, #text, p{  
    color:rgb(19, 138, 236)  
}
```

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, 138, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 138, 236) }
```

Border

The CSS property to change the border of an element to XYZ 24.4974, 24.3715, 82.7699 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, 138, 236) }
```


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

```
.border{ border-color:rgb(19, 138, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 138, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 138, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 138, 236);  
box-shadow:4px 4px 4px 4px rgb(19, 138,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4974, 24.3715, 82.7699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 138, 236) }
```

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

```
.background{ background-color: rgb(19, 138,  
236) }
```

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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