

Converting Colors

XYZ(18.4301, 24.9227, 74.0010)

Have a look what the booklet for
XYZ(18.4301, 24.9227, 74.0010)
contains.

XYZ(24.7105, 28.1102, 73.9355)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7105, 28.1102,
73.9355)**

Conversions

Conversions Part 1

Format	Color
Hex	0099DF
RGB	0, 153, 223
RGB Percent	0%, 60%, 87%
CMY	0.9998, 0.4000, 0.1255
CMYK	1.00, 0.31, 0.00, 0.13
HSL	199°, 100%, 44%
HSV	199°, 100%, 87%
XYZ	24.7105, 28.1102, 73.9355
YIQ	115.2330, -113.6580, -10.6660

Conversions

Conversions Part 2

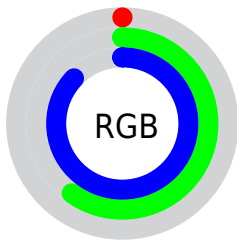
Format	Color
R _Y B	0, 91, 223
Decimal	39391
CIE Lab	59.99, -8.42, -44.78
CIE LCh	60, 45.560, 259.353
Yxy	28.1102, 0.1949, 0.2218
Android (android.graphics.Color)	4278229471 (0xFF0099DF)
YUV	115.2330, 53.1291, -101.0593
Hunter-Lab	53.0191, -9.5902, -45.5670

Details

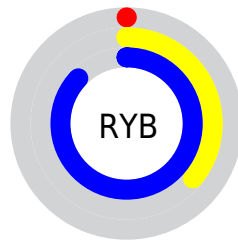
The XYZ color **24.7105, 28.1102, 73.9355** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.6254, 20.0751, 2.1568**, and the grayscale version is **16.2400, 17.0858, 18.6064**.

A 20% lighter version of the original color is **46.0717, 54.7887, 102.7548**, and **11.7264, 12.2928, 38.3139** is the 20% darker color. If you saturate the color by 10%, you get **24.7082, 28.1053, 73.9353**, and if you desaturate by 10%, it is **26.2295, 30.6451, 74.3453**.

Distribution



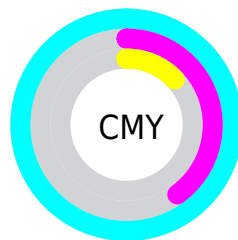
- Red (0%)
- Green (60%)
- Blue (87%)



- Red (0%)
- Yellow (36%)
- Blue (87%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7105, 28.1102, 73.9355 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 24.7105, 28.1102, 73.9355 by changing the saturation by 10% instead.

■ 24.7105, 28.1102,
73.9355

■ 24.7105, 28.1102,
73.9355

268.7674,
292.9931, 493.4082

■ 15.9891, 18.4087,
54.2448

■ 50.6335, 56.6603,
126.5376

■ 9.6072, 11.2438,
38.4029

■ 68.5657, 76.2778,
160.2860

■ 5.1996, 6.2311,
25.9913

■ 90.2990, 99.9694,
199.5574

■ 2.4008, 2.9861,
16.5914

■ 116.1985,
128.1195, 244.7704

■ 0.8455, 1.1245,
9.7847

■ 146.6298,
161.1126, 296.3434

■ 0.0000, 0.0000,
5.1527

181.9582,

■ 0.0000, 0.0000,

199.3329, 354.6950

2.2768

222.5489,
243.1650, 420.2437

■ 0.0000, 0.0000,
0.7182

■ 0.0000, 0.0000,
0.0000

■ 24.7105, 28.1102,
73.9355

■ 24.7105, 28.1102,
73.9355

■ 24.7082, 28.1053,
73.9353

■ 26.2295, 30.6451,
74.3453

■ 28.2060, 33.5170,
74.7955

■ 30.7682, 36.7940,
75.2930

■ 33.9891, 40.5152,
75.8415

■ 37.9301, 44.7138,
76.4442

■ 42.6452, 49.4193,
77.1039

■ 48.1830, 54.6581,
77.8232

■ 54.5878, 60.4545,
78.6045

■ 61.9006, 66.8311,
79.4499

Harmonies

Analogous

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



20.0934, 28.1102, 61.7893



24.7105, 28.1102, 73.9355



30.5857, 28.1102, 71.6997

Triad

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



24.7105, 28.1102, 73.9355



38.6783, 28.1102, 21.1981



19.1198, 28.1102, 14.1634

Complementary

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



24.7105, 28.1102, 73.9355



32.6254, 20.0751, 2.1568

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.



23.1908, 28.1102, 9.2840



24.7105, 28.1102, 73.9355



34.6585, 28.1102, 12.2101

Square

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



24.7105, 28.1102, 73.9355



39.2416, 28.1102, 36.8937



28.8312, 28.1102, 8.7291



17.1901, 28.1102, 25.0788

Rectangle

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



24.7105, 28.1102, 73.9355



34.4297, 28.1102, 62.5324



28.8312, 28.1102, 8.7291



20.2533, 28.1102, 11.9607

Sweetspot

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



24.7116, 28.1111, 73.9362



65.0957, 73.8855, 105.4382



27.3998, 53.1807, 14.1211



13.2235, 15.1514, 22.4775



0.0000, 0.0000, 0.0000



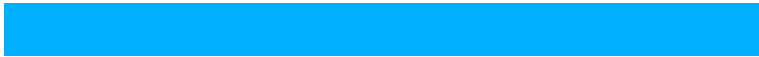
20.3446, 21.4041, 23.3091

Same Dimension

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



24.7116, 28.1111, 73.9362



33.3678, 37.8556, 100.1559



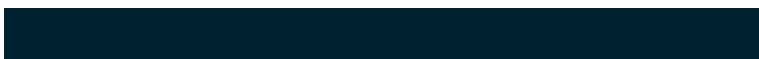
14.2449, 7.1777, 70.4473



13.7346, 14.8084, 17.5221



14.6333, 16.7362, 43.5075



1.0933, 1.3181, 3.0420

Inverse Universe

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



36.1822, 17.9892, 31.7030



48.9717, 24.3527, 42.6446



46.4344, 47.6930, 6.7598



14.1023, 13.8585, 16.3088



21.3264, 10.5976, 18.9165



1.5181, 0.7505, 1.5212

Previews

White Background



This preview shows how the XYZ color 24.7105, 28.1102, 73.9355 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 24.7105, 28.1102, 73.9355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

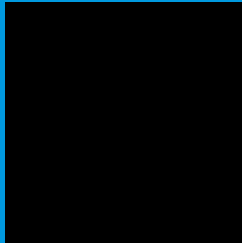
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7105, 28.1102, 73.9355

Background



This preview shows how black text looks on a background with the XYZ color 24.7105, 28.1102, 73.9355.

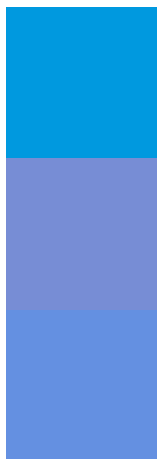


This preview shows how white text looks on a background with the XYZ color 24.7105, 28.1102,

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

24.7105, 28.1102, 73.9355

Protanopia

29.1429, 27.7758, 66.7761

Deuteranopia

28.8194, 28.0921, 75.1375



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

24.7105, 28.1102, 73.9355

Protanomaly

25.6303, 26.7971, 69.4671

Deuteranomaly

26.0026, 27.3392, 74.4275

Tritanomaly

21.4609, 27.8755, 53.5396

Monochromacy



Original Color

24.7105, 28.1102, 73.9355

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.4306, 19.4501, 33.4601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7105, 28.1102, 73.9355 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, 153, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 223)  
}
```

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, 153, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 223) }
```

Border

The CSS property to change the border of an element to XYZ 24.7105, 28.1102, 73.9355 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, 153, 223) }
```


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

```
.border{ border-color:rgb(0, 153, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7105, 28.1102, 73.9355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 223) }
```

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

```
.background{ background-color: rgb(0, 153,  
223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor