

Converting Colors

XYZ(24.5662, 28.0688, 73.1249)

Have a look what the booklet for
XYZ(24.5662, 28.0688, 73.1249)
contains.

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Color

**XYZ(24.5760, 28.0564,
73.2274)**

Conversions

Conversions Part 1

Format	Color
Hex	0099DE
RGB	0, 153, 222
RGB Percent	0%, 60%, 87%
CMY	0.9998, 0.4000, 0.1294
CMYK	1.00, 0.31, 0.00, 0.13
HSL	199°, 100%, 44%
HSV	199°, 100%, 87%
XYZ	24.5760, 28.0564, 73.2274
YIQ	115.1190, -113.3370, -10.9770

Conversions

Conversions Part 2

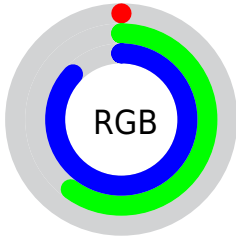
Format	Color
R _{YB}	0, 91, 222
Decimal	39390
CIE Lab	59.94, -8.79, -44.30
CIE LCh	60, 45.160, 258.778
Yxy	28.0564, 0.1953, 0.2229
Android (android.graphics.Color)	4278229470 (0xFF0099DE)
YUV	115.1190, 52.6923, -100.9594
Hunter-Lab	52.9683, -9.8749, -44.8892

Details

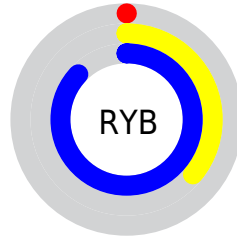
The XYZ color **24.5760, 28.0564, 73.2274** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.2559, 19.7921, 2.1216**, and the grayscale version is **16.2065, 17.0505, 18.5680**.

A 20% lighter version of the original color is **46.0717, 54.7887, 102.7548**, and **11.6343, 12.2559, 37.8288** is the 20% darker color. If you saturate the color by 10%, you get **24.5739, 28.0519, 73.2273**, and if you desaturate by 10%, it is **26.0754, 30.5554, 73.6313**.

Distribution



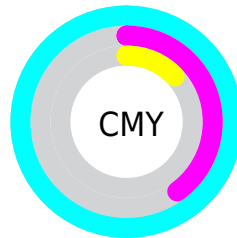
- Red (0%)
- Green (60%)
- Blue (87%)



- 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 24.5760, 28.0564, 73.2274 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 24.5760, 28.0564, 73.2274 by changing the saturation by 10% instead.

■ 24.5760, 28.0564,
73.2274

■ 24.5760, 28.0564,
73.2274

268.1065,
292.7363, 490.8945

■ 15.8885, 18.3682,
53.6690

■ 50.4164, 56.5745,
125.5239

■ 9.5356, 11.2146,
37.9457

■ 68.3000, 76.1731,
159.0990

■ 5.1521, 6.2114,
25.6390

■ 89.9797, 99.8440,
198.1835

■ 2.3724, 2.9740,
16.3305

■ 115.8208,
127.9716, 243.1958

■ 0.8313, 1.1182,
9.6014

■ 146.1886,
160.9402, 294.5545

■ 0.0000, 0.0000,
5.0334

181.4486,

■ 0.0000, 0.0000,

199.1343, 352.6782

2.2078

221.9662,
242.9382, 417.9853

■ 0.0000, 0.0000,
0.6788

■ 0.0000, 0.0000,
0.0000

■ 24.5760, 28.0564,
73.2274

■ 24.5760, 28.0564,
73.2274

■ 24.5739, 28.0519,
73.2273

■ 26.0754, 30.5554,
73.6313

■ 28.0260, 33.3854,
74.0748

■ 30.5551, 36.6136,
74.5646

■ 33.7346, 40.2788,
75.1045

■ 37.6253, 44.4137,
75.6975

■ 42.2806, 49.0474,
76.3465

■ 47.7485, 54.2060,
77.0541

■ 54.0728, 59.9135,
77.8224

■ 61.2941, 66.1921,
78.6537

Harmonies

Analogous

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



20.0347, 28.0564, 61.0265



24.5760, 28.0564, 73.2274



30.3799, 28.0564, 71.3131

Triad

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



24.5760, 28.0564, 73.2274



38.5410, 28.0564, 21.4611



19.1966, 28.0564, 14.0942

Complementary

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



24.5760, 28.0564, 73.2274



32.2559, 19.7921, 2.1216

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.



23.2692, 28.0564, 9.3303



24.5760, 28.0564, 73.2274



34.6214, 28.0564, 12.4075

Square

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



24.5760, 28.0564, 73.2274



39.0243, 28.0564, 37.1223



28.8729, 28.0564, 8.8498



17.2395, 28.0564, 24.8008

Rectangle

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



24.5760, 28.0564, 73.2274



34.1941, 28.0564, 62.4111



28.8729, 28.0564, 8.8498



20.3341, 28.0564, 11.9384

Sweetspot

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



24.5771, 28.0573, 73.2281



65.1620, 74.0182, 105.4603



27.1243, 52.6442, 13.9847



13.2393, 15.1832, 22.4828



0.0000, 0.0000, 0.0000



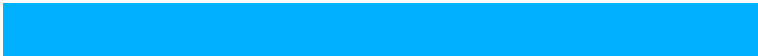
20.3446, 21.4041, 23.3091

Same Dimension

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



24.5771, 28.0573, 73.2281



33.5218, 38.1636, 100.2073



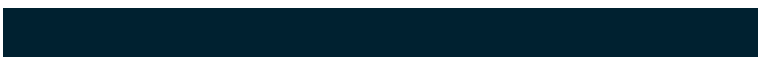
14.1027, 7.1086, 69.7367



13.7383, 14.8158, 17.5233



14.6995, 16.8686, 43.5296



1.0975, 1.3265, 3.0434

Inverse Universe

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



35.8749, 17.8308, 31.6886



49.0495, 24.3838, 43.0540



45.9678, 47.2159, 6.6922



14.1041, 13.8593, 16.3186



21.3598, 10.6109, 19.0924



1.5202, 0.7514, 1.5324

Previews

White Background



This preview shows how the XYZ color 24.5760, 28.0564, 73.2274 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 24.5760, 28.0564, 73.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

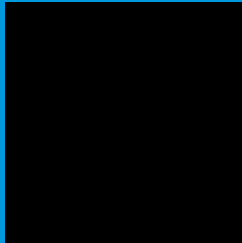
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5760, 28.0564, 73.2274

Background



This preview shows how black text looks on a background with the XYZ color 24.5760, 28.0564, 73.2274.

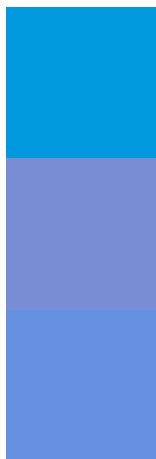


This preview shows how white text looks on a background with the XYZ color 24.5760, 28.0564,

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

24.5760, 28.0564, 73.2274

Protanopia

29.1543, 27.7963, 66.1160

Deuteranopia

28.7946, 28.0950, 74.4263



Tritanopia

19.9215, 28.0819, 42.8985

Trichromacy



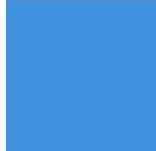
Original Color

24.5760, 28.0564, 73.2274



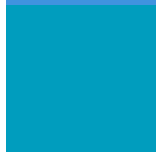
Protanomaly

25.5006, 26.7452, 68.7841



Deuteranomaly

25.8674, 27.2851, 73.7152



Tritanomaly

21.3512, 27.8316, 52.9619

Monochromacy



Original Color

24.5760, 28.0564, 73.2274



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 24.5760, 28.0564, 73.2274 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 222) }
```

Border

The CSS property to change the border of an element to XYZ 24.5760, 28.0564, 73.2274 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, 222) }
```


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

```
.border{ border-color:rgb(0, 153, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5760, 28.0564, 73.2274 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, 222) }
```

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

```
.background{ background-color: rgb(0, 153,  
222) }
```

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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