

Converting Colors

XYZ(23.1772, 26.3674, 69.3431)

Have a look what the booklet for
XYZ(23.1772, 26.3674, 69.3431)
contains.

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Color

**XYZ(23.2718, 26.5046,
69.5350)**

Conversions

Conversions Part 1

Format	Color
Hex	0095D9
RGB	0, 149, 217
RGB Percent	0%, 58%, 85%
CMY	0.9998, 0.4157, 0.1490
CMYK	1.00, 0.31, 0.00, 0.15
HSL	199°, 100%, 43%
HSV	199°, 100%, 85%
XYZ	23.2718, 26.5046, 69.5350
YIQ	112.2010, -110.6320, -10.4400

Conversions

Conversions Part 2

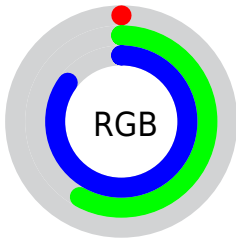
Format	Color
RYB	0, 88, 217
Decimal	38361
CIELab	58.51, -8.38, -43.76
CIELCh	59, 44.555, 259.164
Yxy	26.5046, 0.1951, 0.2221
Android (android.graphics.Color)	4278228441 (0xFF0095D9)
YUV	112.2010, 51.6659, -98.4003
Hunter-Lab	51.4826, -9.4068, -44.0422

Details

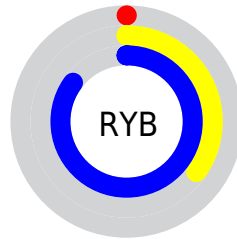
The XYZ color **23.2718, 26.5046, 69.5350** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.6860, 18.8924, 2.0308**, and the grayscale version is **15.3413, 16.1402, 17.5767**.

A 20% lighter version of the original color is **44.9995, 52.8154, 102.4304**, and **10.9834, 11.5323, 35.8295** is the 20% darker color. If you saturate the color by 10%, you get **23.2696, 26.5000, 69.5348**, and if you desaturate by 10%, it is **24.7054, 28.8884, 69.9201**.

Distribution



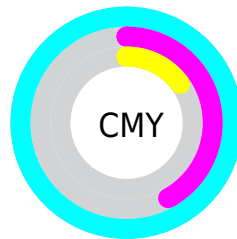
- Red (0%)
- Green (58%)
- Blue (85%)



- Red (0%)
- Yellow (35%)
- Blue (85%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (42%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2718, 26.5046, 69.5350 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 23.2718, 26.5046, 69.5350 by changing the saturation by 10% instead.

■ 23.2718, 26.5046,
69.5350

■ 23.2718, 26.5046,
69.5350

261.6273,
285.2504, 477.6606

■ 14.9161, 17.2015,
50.6731

■ 48.3026, 54.0879,
120.2203

■ 8.8465, 10.3783,
35.5736

■ 65.7085, 73.1369,
152.8807

■ 4.6975, 5.6505,
23.8180

■ 86.8618, 96.2033,
190.9777

■ 2.1038, 2.6337,
14.9877

■ 112.1279,
123.6715, 234.9299

■ 0.6913, 0.9437,
8.6642

■ 141.8721,
155.9259, 285.1557

■ 0.0000, 0.0000,
4.4290

176.4599,

■ 0.0000, 0.0000,

193.3509, 342.0737

1.8635

216.2565,
236.3310, 406.1025

■ 0.0000, 0.0000,
0.4694

■ 0.0000, 0.0000,
0.0000

■ 23.2718, 26.5046,
69.5350

■ 23.2718, 26.5046,
69.5350

■ 23.2696, 26.5000,
69.5348

■ 24.7054, 28.8884,
69.9201

■ 26.5669, 31.5874,
70.3430

■ 28.9782, 34.6661,
70.8101

■ 32.0073, 38.1611,
71.3251

■ 35.7116, 42.1035,
71.8908

■ 40.1417, 46.5206,
72.5099

■ 45.3428, 51.4373,
73.1848

■ 51.3566, 56.8763,
73.9177

■ 58.2212, 62.8586,
74.7106

Harmonies

Analogous

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



18.9394, 26.5046, 58.0581



23.2718, 26.5046, 69.5350



28.7926, 26.5046, 67.5263

Triad

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



23.2718, 26.5046, 69.5350



36.4493, 26.5046, 20.0819



18.0631, 26.5046, 13.3412

Complementary

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



23.2718, 26.5046, 69.5350



30.6860, 18.8924, 2.0308

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.



21.9045, 26.5046, 8.7737



23.2718, 26.5046, 69.5350



32.6880, 26.5046, 11.5814

Square

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



23.2718, 26.5046, 69.5350



36.9557, 26.5046, 34.8798



27.2147, 26.5046, 8.2733



16.2339, 26.5046, 23.5743

Rectangle

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



23.2718, 26.5046, 69.5350



32.4100, 26.5046, 58.9601



27.2147, 26.5046, 8.2733



19.1338, 26.5046, 11.2777

Sweetspot

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



23.2728, 26.5055, 69.5357



65.1072, 73.9085, 105.4420



25.7718, 50.0097, 13.3163



13.2262, 15.1569, 22.4784



0.0000, 0.0000, 0.0000



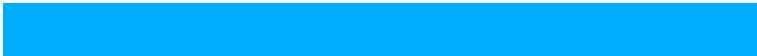
20.3446, 21.4041, 23.3091

Same Dimension

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



23.2728, 26.5055, 69.5357



33.3944, 37.9088, 100.1648



13.4052, 6.7702, 66.2465



13.0827, 14.1052, 16.6852



14.1844, 16.2383, 42.1251



0.9947, 1.2035, 2.7543

Inverse Universe

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



34.0410, 16.9229, 29.9066



48.9851, 24.3581, 42.7153



43.6768, 44.8740, 6.3610



13.4316, 13.2017, 15.5341



20.6550, 10.2630, 18.3609



1.3764, 0.6802, 1.3908

Previews

White Background



This preview shows how the XYZ color 23.2718, 26.5046, 69.5350 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 23.2718, 26.5046, 69.5350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

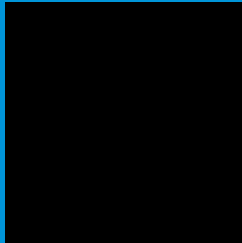
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2718, 26.5046, 69.5350

Background



This preview shows how black text looks on a background with the XYZ color 23.2718, 26.5046, 69.5350.

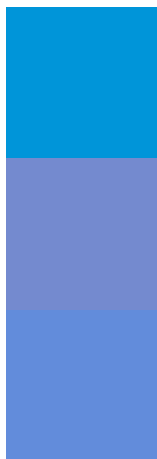


This preview shows how white text looks on a background with the XYZ color 23.2718, 26.5046,

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

23.2718, 26.5046, 69.5350

Protanopia

27.5534, 26.3950, 62.6740

Deuteranopia

27.2013, 26.4673, 70.6929



Tritanopia

18.8635, 26.5670, 40.6929

Trichromacy



Original Color

23.2718, 26.5046, 69.5350

Protanomaly

24.2549, 25.5050, 65.2726

Deuteranomaly

24.4640, 25.7310, 70.0069

Tritanomaly

20.1482, 26.2852, 49.9106

Monochromacy



Original Color

23.2718, 26.5046, 69.5350

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.4372, 18.2088, 31.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2718, 26.5046, 69.5350 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, 149, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 217)  
}
```

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, 149, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 217) }
```

Border

The CSS property to change the border of an element to XYZ 23.2718, 26.5046, 69.5350 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, 149, 217) }
```


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

```
.border{ border-color:rgb(0, 149, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2718, 26.5046, 69.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 217) }
```

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

```
.background{ background-color: rgb(0, 149,  
217) }
```

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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