

Converting Colors

XYZ(18.3397, 23.9354, 70.4420)

Have a look what the booklet for
XYZ(18.3397, 23.9354, 70.4420)
contains.

XYZ(23.5336, 26.6094, 70.9136)	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(23.5336, 26.6094,
70.9136)**

Conversions

Conversions Part 1

Format	Color
Hex	0095DB
RGB	0, 149, 219
RGB Percent	0%, 58%, 86%
CMY	0.9998, 0.4157, 0.1412
CMYK	1.00, 0.32, 0.00, 0.14
HSL	199°, 100%, 43%
HSV	199°, 100%, 86%
XYZ	23.5336, 26.6094, 70.9136
YIQ	112.4290, -111.2740, -9.8180

Conversions

Conversions Part 2

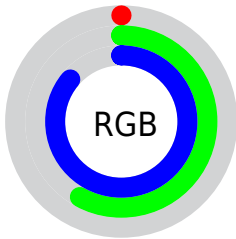
Format	Color
R _Y B	0, 89, 219
Decimal	38363
CIE Lab	58.61, -7.63, -44.72
CIE LCh	59, 45.368, 260.318
Yxy	26.6094, 0.1944, 0.2198
Android (android.graphics.Color)	4278228443 (0xFF0095DB)
YUV	112.4290, 52.5395, -98.6002
Hunter-Lab	51.5843, -8.8379, -45.3977

Details

The XYZ color **23.5336, 26.6094, 70.9136** 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 **31.4071, 19.4467, 2.0997**, and the grayscale version is **15.4055, 16.2078, 17.6503**.

A 20% lighter version of the original color is **44.9995, 52.8154, 102.4304**, and **11.1627, 11.6040, 36.7734** is the 20% darker color. If you saturate the color by 10%, you get **23.5315, 26.6050, 70.9134**, and if you desaturate by 10%, it is **25.0050, 29.0625, 71.3101**.

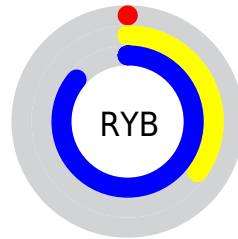
Distribution



Red (0%)

Green (58%)

Blue (86%)



Red (0%)

Yellow (35%)

Blue (86%)

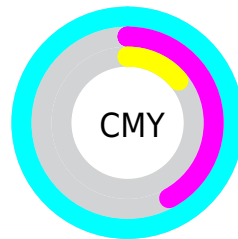


Cyan (100%)

Magenta (32%)

Yellow (0%)

Black (14%)



Cyan (100%)

Magenta (42%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5336, 26.6094, 70.9136 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 23.5336, 26.6094, 70.9136 by changing the saturation by 10% instead.

■ 23.5336, 26.6094,
70.9136

■ 23.5336, 26.6094,
70.9136

262.9384,
285.7609, 482.6269

■ 15.1109, 17.2801,
51.7903

■ 48.7283, 54.2564,
122.2040

■ 8.9841, 10.4344,
36.4569

■ 66.2309, 73.3430,
155.2082

■ 4.7878, 5.6879,
24.4948

■ 87.4909, 96.4507,
193.6764

■ 2.1568, 2.6563,
15.4855

■ 112.8736,
123.9640, 238.0272

■ 0.7198, 0.9550,
9.0104

■ 142.7443,
156.2672, 288.6791

■ 0.0000, 0.0000,
4.6511

177.4685,

■ 0.0000, 0.0000,

193.7449, 346.0506

1.9889

217.4114,
236.7813, 410.5604

■ 0.0000, 0.0000,
0.5484

■ 0.0000, 0.0000,
0.0000

■ 23.5336, 26.6094,
70.9136

■ 23.5336, 26.6094,
70.9136

■ 23.5315, 26.6050,
70.9134

■ 25.0050, 29.0625,
71.3101

■ 26.9166, 31.8427,
71.7460

■ 29.3921, 35.0158,
72.2280

■ 32.5013, 38.6195,
72.7597

■ 36.3032, 42.6855,
73.3441

■ 40.8493, 47.2420,
73.9840

■ 46.1861, 52.3146,
74.6819

■ 52.3562, 57.9266,
75.4399

■ 59.3988, 64.0996,
76.2602

Harmonies

Analogous

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



19.0540, 26.6094, 59.5471



23.5336, 26.6094, 70.9136



29.1930, 26.6094, 68.2762

Triad

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



23.5336, 26.6094, 70.9136



36.7156, 26.6094, 19.5794



17.9159, 26.6094, 13.4763

Complementary

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



23.5336, 26.6094, 70.9136



31.4071, 19.4467, 2.0997

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.



21.7540, 26.6094, 8.6854



23.5336, 26.6094, 70.9136



32.7602, 26.6094, 11.2054

Square

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



23.5336, 26.6094, 70.9136



37.3779, 26.6094, 34.4406



27.1347, 26.6094, 8.0432



16.1395, 26.6094, 24.1172

Rectangle

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



23.5336, 26.6094, 70.9136



32.8683, 26.6094, 59.1947



27.1347, 26.6094, 8.0432



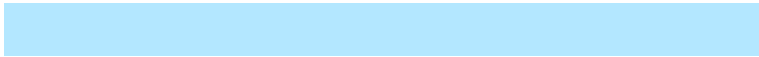
18.9788, 26.6094, 11.3218

Sweetspot

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



23.5346, 26.6103, 70.9143



64.9732, 73.6405, 105.3973



26.4185, 51.0982, 14.1635



13.1941, 15.0927, 22.4677



0.0000, 0.0000, 0.0000



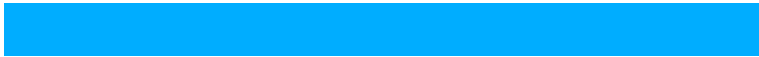
20.3446, 21.4041, 23.3091

Same Dimension

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



23.5346, 26.6103, 70.9143



33.0850, 37.2901, 100.0617



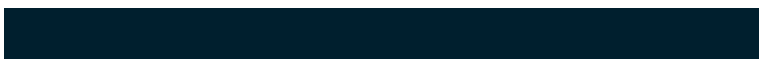
13.5521, 6.6453, 67.5868



13.0756, 14.0910, 16.6828



14.0558, 15.9810, 42.0822



0.9871, 1.1883, 2.7518

Inverse Universe

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



34.6391, 17.2312, 29.9347



48.8290, 24.2956, 41.8931



45.3059, 47.2443, 6.7326



13.4280, 13.2003, 15.5153



20.5900, 10.2371, 18.0190



1.3725, 0.6786, 1.3706

Previews

White Background



This preview shows how the XYZ color 23.5336, 26.6094, 70.9136 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 23.5336, 26.6094, 70.9136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

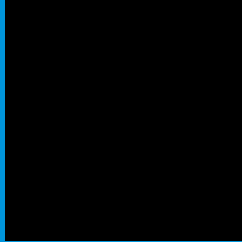
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.5336, 26.6094, 70.9136

Background



This preview shows how black text looks on a background with the XYZ color 23.5336, 26.6094, 70.9136.

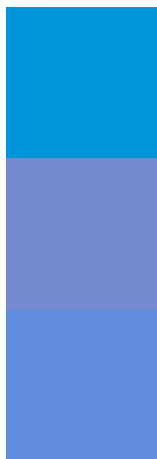


This preview shows how white text looks on a background with the XYZ color 23.5336, 26.6094,

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

23.5336, 26.6094, 70.9136

Protanopia

27.7996, 26.4934, 63.9701

Deuteranopia

27.2531, 26.4634, 72.0782



Tritanopia

18.8635, 26.5670, 40.6929

Trichromacy



Original Color

23.5336, 26.6094, 70.9136

Protanomaly

24.5073, 25.6059, 66.6016

Deuteranomaly

24.6652, 25.8043, 71.3909

Tritanomaly

20.2542, 26.3276, 50.4686

Monochromacy



Original Color

23.5336, 26.6094, 70.9136

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5181, 18.2412, 31.9812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5336, 26.6094, 70.9136 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, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 219) }
```

Border

The CSS property to change the border of an element to XYZ 23.5336, 26.6094, 70.9136 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, 219) }
```


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

```
.border{ border-color:rgb(0, 149, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5336, 26.6094, 70.9136 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, 219) }
```

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

```
.background{ background-color: rgb(0, 149,  
219) }
```

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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