

Converting Colors

XYZ(23.6606, 26.1537, 73.1437)

Have a look what the booklet for
XYZ(23.6606, 26.1537, 73.1437)
contains.

XYZ(23.6185, 26.1414, 72.9082)	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(23.6185, 26.1414,
72.9082)**

Conversions

Conversions Part 1

Format	Color
Hex	0093DE
RGB	0, 147, 222
RGB Percent	0%, 58%, 87%
CMY	0.9998, 0.4235, 0.1294
CMYK	1.00, 0.34, 0.00, 0.13
HSL	200°, 100%, 44%
HSV	200°, 100%, 87%
XYZ	23.6185, 26.1414, 72.9082
YIQ	111.5970, -111.6870, -7.8390

Conversions

Conversions Part 2

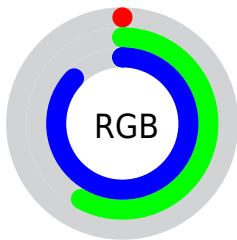
Format	Color
R _{YB}	0, 88, 222
Decimal	37854
CIE Lab	58.17, -5.36, -47.09
CIE LCh	58, 47.395, 263.510
Yxy	26.1414, 0.1925, 0.2131
Android (android.graphics.Color)	4278227934 (0xFF0093DE)
YUV	111.5970, 54.4287, -97.8706
Hunter-Lab	51.1287, -7.0184, -48.7560

Details

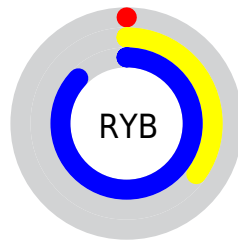
The XYZ color **23.6185, 26.1414, 72.9082** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.6441, 20.5687, 2.2511**, and the grayscale version is **15.1574, 15.9468, 17.3661**.

A 20% lighter version of the original color is **44.6456, 51.9363, 102.2794**, and **11.1576, 11.3026, 37.6699** is the 20% darker color. If you saturate the color by 10%, you get **23.6163, 26.1366, 72.9080**, and if you desaturate by 10%, it is **25.1602, 28.7251, 73.3262**.

Distribution



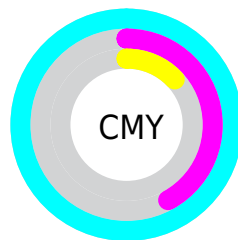
- Red (0%)
- Green (58%)
- Blue (87%)



- Red (0%)
- Yellow (35%)
- Blue (87%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6185, 26.1414, 72.9082 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 23.6185, 26.1414, 72.9082 by changing the saturation by 10% instead.

■ 23.6185, 26.1414,
72.9082

■ 23.6185, 26.1414,
72.9082

263.3624,
283.4755, 489.7588

■ 15.1741, 16.9295,
53.4095

■ 48.8661, 53.5030,
125.0666

■ 9.0288, 10.1842,
37.7398

■ 66.4001, 72.4214,
158.5634

■ 4.8172, 5.5213,
25.4806

■ 87.6945, 95.3441,
197.5633

■ 2.1741, 2.5562,
16.2132

■ 113.1149,
122.6554, 242.4849

■ 0.7290, 0.9047,
9.5191

■ 143.0265,
154.7399, 293.7467

■ 0.0000, 0.0000,
4.9799

177.7947,

■ 0.0000, 0.0000,

191.9818, 351.7673

2.1769

217.7849,
234.7655, 416.9652

■ 0.0000, 0.0000,
0.6610

■ 0.0000, 0.0000,
0.0000

■ 23.6185, 26.1414,
72.9082

■ 23.6185, 26.1414,
72.9082

■ 23.6163, 26.1366,
72.9080

■ 25.1602, 28.7251,
73.3262

■ 27.1643, 31.6618,
73.7874

■ 29.7581, 35.0197,
74.2989

■ 33.0141, 38.8379,
74.8642

■ 36.9934, 43.1499,
75.4868

■ 41.7495, 47.9852,
76.1694

■ 47.3308, 53.3705,
76.9147

■ 53.7813, 59.3304,
77.7251

■ 61.1419, 65.8876,
78.6029

Harmonies

Analogous

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



18.8376, 26.1414, 62.2407



23.6185, 26.1414, 72.9082



29.5206, 26.1414, 68.4632

Triad

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



23.6185, 26.1414, 72.9082



36.4194, 26.1414, 17.6135



16.9794, 26.1414, 13.4869

Complementary

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



23.6185, 26.1414, 72.9082



32.6441, 20.5687, 2.2511

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.



20.6940, 26.1414, 8.1887



23.6185, 26.1414, 72.9082



32.0143, 26.1414, 9.8485

Square

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



23.6185, 26.1414, 72.9082



37.5227, 26.1414, 32.1923



26.1166, 26.1414, 7.1770



15.4050, 26.1414, 25.0344

Rectangle

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



23.6185, 26.1414, 72.9082



33.2575, 26.1414, 58.1375



26.1166, 26.1414, 7.1770



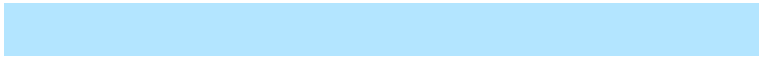
17.9888, 26.1414, 11.1280

Sweetspot

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



23.6195, 26.1422, 72.9089



64.5859, 72.8659, 105.2682



27.3593, 52.7382, 15.2220



13.1015, 14.9075, 22.4369



0.0000, 0.0000, 0.0000



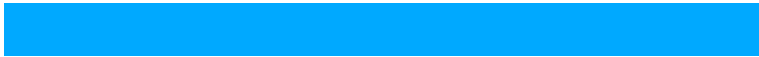
20.3446, 21.4041, 23.3091

Same Dimension

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



23.6195, 26.1422, 72.9089



32.2069, 35.5339, 99.7690



13.8484, 6.6000, 69.6518



13.7061, 14.7514, 17.5126



14.1341, 15.7378, 43.3411



1.0615, 1.2544, 3.0314

Inverse Universe

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



35.3916, 17.6374, 29.1434



48.3858, 24.1183, 39.5591



47.4756, 50.2315, 7.1949



14.0879, 13.8528, 16.2330



21.0744, 10.4968, 17.5897



1.5020, 0.7441, 1.4365

Previews

White Background



This preview shows how the XYZ color 23.6185, 26.1414, 72.9082 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 23.6185, 26.1414, 72.9082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

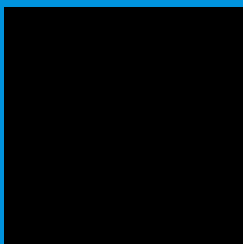
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

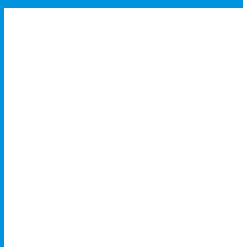
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6185, 26.1414, 72.9082

Background



This preview shows how black text looks on a background with the XYZ color 23.6185, 26.1414, 72.9082.

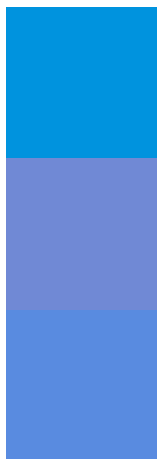


This preview shows how white text looks on a background with the XYZ color 23.6185, 26.1414,

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

23.6185, 26.1414, 72.9082

Protanopia

27.6380, 26.1402, 66.5397

Deuteranopia

26.8070, 25.9709, 74.1210



Tritanopia

18.6043, 26.1959, 40.1522

Trichromacy



Original Color

23.6185, 26.1414, 72.9082

Protanomaly

24.5181, 25.3472, 68.5660

Deuteranomaly

24.6796, 25.5436, 73.4417

Tritanomaly

20.0912, 26.0016, 50.4143

Monochromacy



Original Color

23.6185, 26.1414, 72.9082

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.5996, 18.2738, 32.4108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6185, 26.1414, 72.9082 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, 147, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 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, 147, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 222) }
```

Border

The CSS property to change the border of an element to XYZ 23.6185, 26.1414, 72.9082 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, 147, 222) }
```


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

```
.border{ border-color:rgb(0, 147, 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, 147, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6185, 26.1414, 72.9082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 222) }
```

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

```
.background{ background-color: rgb(0, 147,  
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](#).

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