

Converting Colors

XYZ(16.9525, 23.8626, 67.4085)

Have a look what the booklet for
XYZ(16.9525, 23.8626, 67.4085)
contains.

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Color

**XYZ(23.2042, 26.9883,
67.6046)**

Conversions

Conversions Part 1

Format	Color
Hex	0097D6
RGB	0, 151, 214
RGB Percent	0%, 59%, 84%
CMY	0.9998, 0.4078, 0.1608
CMYK	1.00, 0.29, 0.00, 0.16
HSL	198°, 100%, 42%
HSV	198°, 100%, 84%
XYZ	23.2042, 26.9883, 67.6046
YIQ	113.0330, -110.2190, -12.4190

Conversions

Conversions Part 2

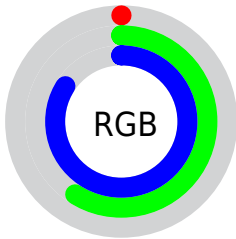
Format	Color
R _{YB}	0, 89, 214
Decimal	38870
CIE _{Lab}	58.96, -10.62, -41.37
CIE _{LCh}	59, 42.716, 255.602
Y _{xy}	26.9883, 0.1970, 0.2291
Android (android.graphics.Color)	4278228950 (0xFF0097D6)
YUV	113.0330, 49.7767, -99.1299
Hunter-Lab	51.9503, -11.1838, -40.7909

Details

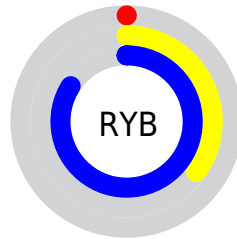
The XYZ color **23.2042, 26.9883, 67.6046** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.5122, 17.8566, 1.8926**, and the grayscale version is **15.5909, 16.4029, 17.8627**.

A 20% lighter version of the original color is **45.3608, 53.7074, 102.5835**, and **10.8152, 11.6175, 34.4733** is the 20% darker color. If you saturate the color by 10%, you get **23.2023, 26.9843, 67.6045**, and if you desaturate by 10%, it is **24.5649, 29.2361, 67.9673**.

Distribution



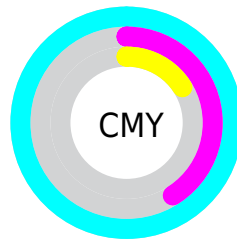
- Red (0%)
- Green (59%)
- Blue (84%)



- Red (0%)
- Yellow (35%)
- Blue (84%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (41%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2042, 26.9883, 67.6046 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 23.2042, 26.9883, 67.6046 by changing the saturation by 10% instead.

■ 23.2042, 26.9883,
67.6046

■ 23.2042, 26.9883,
67.6046

261.2879,
287.6005, 470.6538

■ 14.8659, 17.5644,
49.1114

■ 48.1926, 54.8651,
117.4352

■ 8.8110, 10.6377,
34.3417

■ 65.5734, 74.0868,
149.6097

■ 4.6742, 5.8238,
22.8767

■ 86.6991, 97.3433,
187.1817

■ 2.0902, 2.7382,
14.2981

■ 111.9349,
125.0189, 230.5698

■ 0.6839, 0.9966,
8.1871

■ 141.6464,
157.4980, 280.1925

■ 0.0000, 0.0000,
4.1254

176.1988,

■ 0.0000, 0.0000,

195.1650, 336.4684

1.6944

215.9575,
238.4044, 399.8160

■ 0.0000, 0.0000,
0.3569

■ 0.0000, 0.0000,
0.0000

■ 23.2042, 26.9883,
67.6046

■ 23.2042, 26.9883,
67.6046

■ 23.2023, 26.9843,
67.6045

■ 24.5649, 29.2361,
67.9673

■ 26.3324, 31.7750,
68.3642

■ 28.6253, 34.6675,
68.8017

■ 31.5091, 37.9488,
69.2830

■ 35.0392, 41.6484,
69.8111

■ 39.2641, 45.7925,
70.3883

■ 44.2276, 50.4048,
71.0170

■ 49.9695, 55.5068,
71.6991

■ 56.5268, 61.1187,
72.4367

Harmonies

Analogous

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



19.1719, 26.9883, 55.5063



23.2042, 26.9883, 67.6046



28.4863, 26.9883, 67.3286

Triad

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



23.2042, 26.9883, 67.6046



36.7507, 26.9883, 22.2252



19.0476, 26.9883, 13.3514

Complementary

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



23.2042, 26.9883, 67.6046



29.5122, 17.8566, 1.8926

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.



23.0115, 26.9883, 9.3084



23.2042, 26.9883, 67.6046



33.4479, 26.9883, 13.0970

Square

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



23.2042, 26.9883, 67.6046



36.8211, 26.9883, 37.2419



28.2652, 26.9883, 9.2349



17.0056, 26.9883, 22.7201

Rectangle

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



23.2042, 26.9883, 67.6046



32.0416, 26.9883, 60.0116



28.2652, 26.9883, 9.2349



20.1732, 26.9883, 11.4917

Sweetspot

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



23.2052, 26.9892, 67.6053



65.5154, 74.7249, 105.5781



24.8808, 48.4272, 12.4042



13.3240, 15.3525, 22.5110



0.0000, 0.0000, 0.0000



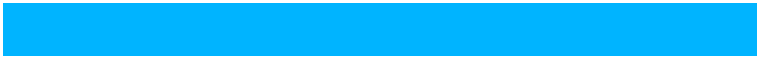
20.3446, 21.4041, 23.3091

Same Dimension

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



23.2052, 26.9892, 67.6053



34.3540, 39.8280, 100.4847



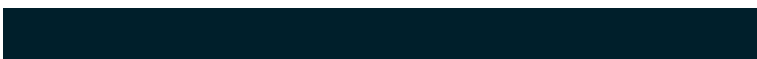
13.1312, 6.8411, 64.2473



12.4690, 13.4615, 15.8787



14.1183, 16.4984, 40.8936



0.9217, 1.1355, 2.4899

Inverse Universe

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



33.3184, 16.5317, 30.7138



49.4695, 24.5518, 45.2660



41.6691, 42.1705, 5.9449



12.7899, 12.5675, 14.8341



20.1851, 10.0104, 18.8108



1.2529, 0.6179, 1.3211

Previews

White Background



This preview shows how the XYZ color 23.2042, 26.9883, 67.6046 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 23.2042, 26.9883, 67.6046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

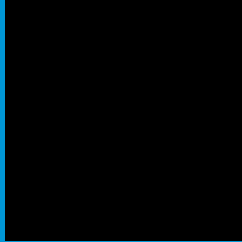
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.2042, 26.9883, 67.6046

Background



This preview shows how black text looks on a background with the XYZ color 23.2042, 26.9883, 67.6046.

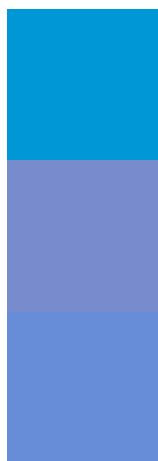


This preview shows how white text looks on a background with the XYZ color 23.2042, 26.9883,

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

23.2042, 26.9883, 67.6046

Protanopia

27.8774, 26.8179, 60.8338

Deuteranopia

27.6285, 26.9507, 68.7116



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

23.2042, 26.9883, 67.6046

Protanomaly

24.1881, 25.7355, 63.3671

Deuteranomaly

24.6379, 26.3153, 68.0708

Tritanomaly

20.4783, 26.9455, 50.0206

Monochromacy



Original Color

23.2042, 26.9883, 67.6046

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.7669, 18.7585, 31.6439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2042, 26.9883, 67.6046 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, 151, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 214)  
}
```

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, 151, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 214) }
```

Border

The CSS property to change the border of an element to XYZ 23.2042, 26.9883, 67.6046 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, 151, 214) }
```


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

```
.border{ border-color:rgb(0, 151, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 151, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2042, 26.9883, 67.6046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 214) }
```

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

```
.background{ background-color: rgb(0, 151,  
214) }
```

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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