

Converting Colors

XYZ(7.6870, 16.3689, 66.9993)

Have a look what the booklet for
XYZ(7.6870, 16.3689, 66.9993)
contains.

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Color

**XYZ(21.6438, 23.6625,
67.7165)**

Conversions

Conversions Part 1

Format	Color
Hex	008CD7
RGB	0, 140, 215
RGB Percent	0%, 55%, 84%
CMY	0.9998, 0.4510, 0.1569
CMYK	1.00, 0.35, 0.00, 0.16
HSL	201°, 100%, 42%
HSV	201°, 100%, 84%
XYZ	21.6438, 23.6625, 67.7165
YIQ	106.6900, -107.5150, -6.3550

Conversions

Conversions Part 2

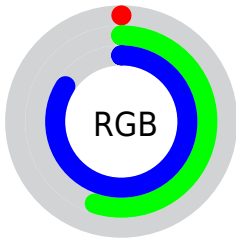
Format	Color
R _Y B	0, 85, 215
Decimal	36055
CIE Lab	55.75, -3.93, -47.01
CIE LCh	56, 47.176, 265.221
Yxy	23.6625, 0.1915, 0.2094
Android (android.graphics.Color)	4278226135 (0xFF008CD7)
YUV	106.6900, 53.3968, -93.5671
Hunter-Lab	48.6441, -5.7051, -48.4855

Details

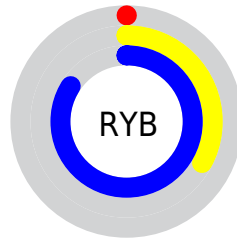
The XYZ color **21.6438, 23.6625, 67.7165** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **30.5441, 19.4858, 2.1527**, and the grayscale version is **13.7722, 14.4894, 15.7790**.

A 20% lighter version of the original color is **42.5995, 48.1847, 101.6631**, and **10.0013, 9.8504, 34.6319** is the 20% darker color. If you saturate the color by 10%, you get **21.6417, 23.6580, 67.7163**, and if you desaturate by 10%, it is **23.0990, 26.0961, 68.1101**.

Distribution



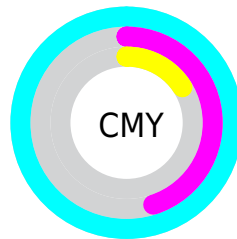
- Red (0%)
- Green (55%)
- Blue (84%)



- Red (0%)
- Yellow (33%)
- Blue (84%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (16%)



- Cyan (100%)
- Magenta (45%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6438, 23.6625, 67.7165 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 21.6438, 23.6625, 67.7165 by changing the saturation by 10% instead.

■ 21.6438, 23.6625,
67.7165

■ 21.6438, 23.6625,
67.7165

253.3479,
271.1097, 471.0617

■ 13.7105, 15.0835,
49.2019

■ 45.6398, 49.4789,
117.5969

■ 8.0000, 8.8780,
34.4129

■ 62.4333, 67.4850,
149.7997

■ 4.1467, 4.6617,
22.9311

■ 82.9109, 89.4023,
187.4023

■ 1.7855, 2.0502,
14.3378

■ 107.4379,
115.6151, 230.8233

■ 0.5089, 0.6364,
8.2146

■ 136.3798,
146.5079, 280.4812

■ 0.0000, 0.0000,
4.1428

170.1018,

■ 0.0000, 0.0000,

182.4650, 336.7945

1.7040

208.9694,
223.8708, 400.1818

■ 0.0000, 0.0000,
0.3635

■ 0.0000, 0.0000,
0.0000

■ 21.6438, 23.6625,
67.7165

■ 21.6438, 23.6625,
67.7165

■ 21.6417, 23.6580,
67.7163

■ 23.0990, 26.0961,
68.1101

■ 24.9862, 28.8652,
68.5451

■ 27.4257, 32.0342,
69.0282

■ 30.4842, 35.6395,
69.5629

■ 34.2183, 39.7122,
70.1522

■ 38.6777, 44.2798,
70.7988

■ 43.9071, 49.3673,
71.5052

■ 49.9473, 54.9976,
72.2736

■ 56.8363, 61.1921,
73.1061

Harmonies

Analogous

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



17.1155, 23.6625, 58.3511



21.6438, 23.6625, 67.7165



27.1674, 23.6625, 62.6899

Triad

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



21.6438, 23.6625, 67.7165



33.1460, 23.6625, 15.1346



15.0517, 23.6625, 12.3428

Complementary

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



21.6438, 23.6625, 67.7165



30.5441, 19.4858, 2.1527

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.



18.3837, 23.6625, 7.2398



21.6438, 23.6625, 67.7165



28.8872, 23.6625, 8.3453

Square

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



21.6438, 23.6625, 67.7165



34.3854, 23.6625, 28.2993



23.3590, 23.6625, 6.1392



13.7140, 23.6625, 23.3857

Rectangle

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



21.6438, 23.6625, 67.7165



30.6160, 23.6625, 52.6042



23.3590, 23.6625, 6.1392



15.9472, 23.6625, 10.0796

Sweetspot

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



21.6447, 23.6632, 67.7171



64.3534, 72.4009, 105.1907



25.4611, 49.0655, 14.2082



13.0459, 14.7964, 22.4183



0.0000, 0.0000, 0.0000



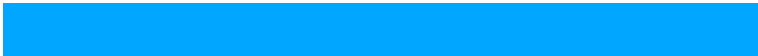
20.3446, 21.4041, 23.3091

Same Dimension

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



21.6447, 23.6632, 67.7171



31.6913, 34.5026, 99.5971



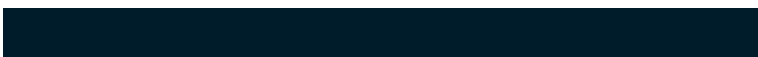
12.8935, 6.1607, 64.8000



12.4106, 13.3446, 15.8592



13.0469, 14.3556, 40.5364



0.8631, 1.0182, 2.4704

Inverse Universe

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



32.7588, 16.3417, 26.2392



48.1255, 24.0142, 38.1885



44.1800, 46.7578, 6.6980



12.7604, 12.5557, 14.6787



19.6443, 9.7941, 15.9630



1.2233, 0.6061, 1.1653

Previews

White Background



This preview shows how the XYZ color 21.6438, 23.6625, 67.7165 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 21.6438, 23.6625, 67.7165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

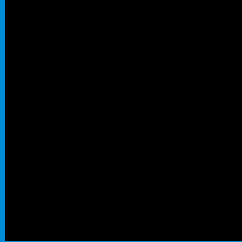
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6438, 23.6625, 67.7165

Background



This preview shows how black text looks on a background with the XYZ color 21.6438, 23.6625, 67.7165.

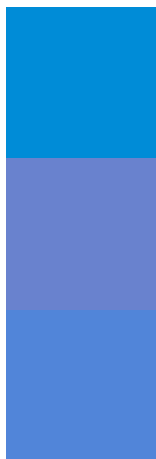


This preview shows how white text looks on a background with the XYZ color 21.6438, 23.6625,

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

21.6438, 23.6625, 67.7165

Protanopia

24.9489, 23.4248, 61.5990

Deuteranopia

24.3053, 23.5341, 68.9072

Trichromacy



Original Color

21.6438, 23.6625, 67.7165

Protanomaly

22.3485, 22.8469, 63.5536

Deuteranomaly

22.6150, 23.2963, 68.2704

Monochromacy



Original Color

21.6438, 23.6625, 67.7165

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.1690, 16.4979, 29.6318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6438, 23.6625, 67.7165 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, 140, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 215)  
}
```

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, 140, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 215) }
```

Border

The CSS property to change the border of an element to XYZ 21.6438, 23.6625, 67.7165 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, 140, 215) }
```

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

```
.border{ border-color:rgb(0, 140, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 140, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
215) }
```


Background

The CSS property to change the background color of an element to XYZ 21.6438, 23.6625, 67.7165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 215) }
```

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

```
.background{ background-color: rgb(0, 140,  
215) }
```

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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