

Converting Colors

XYZ(21.6873, 24.3602, 65.8477)

Have a look what the booklet for
XYZ(21.6873, 24.3602, 65.8477)
contains.

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Color

**XYZ(21.7061, 24.3984,
65.8527)**

Conversions

Conversions Part 1

Format	Color
Hex	008FD4
RGB	0, 143, 212
RGB Percent	0%, 56%, 83%
CMY	0.9998, 0.4392, 0.1686
CMYK	1.00, 0.33, 0.00, 0.17
HSL	200°, 100%, 42%
HSV	200°, 100%, 83%
XYZ	21.7061, 24.3984, 65.8527
YIQ	108.1090, -107.3770, -8.8570

Conversions

Conversions Part 2

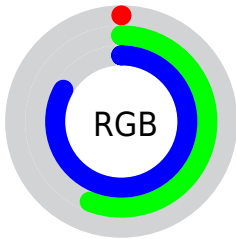
Format	Color
R _Y B	0, 85, 212
Decimal	36820
CIE Lab	56.48, -6.81, -44.16
CIE LCh	56, 44.684, 261.232
Yxy	24.3984, 0.1939, 0.2179
Android (android.graphics.Color)	4278226900 (0xFF008FD4)
YUV	108.1090, 51.2183, -94.8116
Hunter-Lab	49.3947, -8.0005, -44.4687

Details

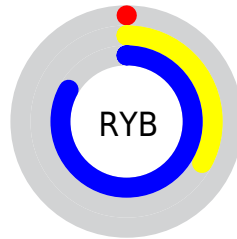
The XYZ color **21.7061, 24.3984, 65.8527** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.2828, 18.2592, 1.9823**, and the grayscale version is **14.1711, 14.9091, 16.2360**.

A 20% lighter version of the original color is **43.1568, 49.4666, 101.8811**, and **10.0002, 10.2630, 33.3522** is the 20% darker color. If you saturate the color by 10%, you get **21.7042, 24.3943, 65.8525**, and if you desaturate by 10%, it is **23.0891, 26.6974, 66.2241**.

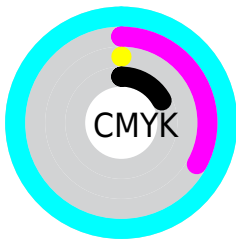
Distribution



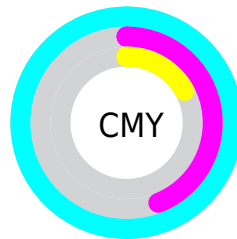
- Red (0%)
- Green (56%)
- Blue (83%)



- Red (0%)
- Yellow (33%)
- Blue (83%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (44%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7061, 24.3984, 65.8527 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 21.7061, 24.3984, 65.8527 by changing the saturation by 10% instead.

■ 21.7061, 24.3984,
65.8527

■ 21.7061, 24.3984,
65.8527

253.6689,
274.8285, 464.2397

■ 13.7565, 15.6294,
47.6971

■ 45.7422, 50.6796,
114.8999

■ 8.0321, 9.2623,
33.2288

■ 62.5595, 68.9605,
146.6285

■ 4.1675, 4.9127,
22.0292

■ 83.0633, 91.1809,
183.7187

■ 1.7973, 2.1961,
13.6799

■ 107.6191,
117.7252, 226.5887

■ 0.5160, 0.7179,
7.7621

■ 136.5922,
148.9777, 275.6574

■ 0.0000, 0.0000,
3.8575

170.3480,

■ 0.0000, 0.0000,

185.3228, 331.3430

1.5475

209.2518,
227.1449, 394.0643

■ 0.0000, 0.0000,
0.2530

■ 0.0000, 0.0000,
0.0000

■ 21.7061, 24.3984,
65.8527

■ 21.7061, 24.3984,
65.8527

■ 21.7042, 24.3943,
65.8525

■ 23.0891, 26.6974,
66.2241

■ 24.8809, 29.3030,
66.6326

■ 27.1981, 32.2774,
67.0846

■ 30.1050, 35.6553,
67.5834

■ 33.6560, 39.4662,
68.1318

■ 37.8988, 43.7362,
68.7323

■ 42.8764, 48.4889,
69.3874

■ 48.6280, 53.7459,
70.0989

■ 55.1899, 59.5275,
70.8690

Harmonies

Analogous

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



17.5010, 24.3984, 55.5530



21.7061, 24.3984, 65.8527



26.9831, 24.3984, 62.9631

Triad

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



21.7061, 24.3984, 65.8527



33.7558, 24.3984, 17.5246



16.2650, 24.3984, 12.4193

Complementary

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



21.7061, 24.3984, 65.8527



29.2828, 18.2592, 1.9823

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.



19.7700, 24.3984, 7.8732



21.7061, 24.3984, 65.8527



29.9948, 24.3984, 9.9661

Square

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



21.7061, 24.3984, 65.8527



34.4790, 24.3984, 31.1504



24.7399, 24.3984, 7.1826



14.6808, 24.3984, 22.4545

Rectangle

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



21.7061, 24.3984, 65.8527



30.3857, 24.3984, 54.2747



24.7399, 24.3984, 7.1826



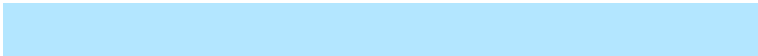
17.2306, 24.3984, 10.3815

Sweetspot

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



21.7070, 24.3992, 65.8533



64.8487, 73.3915, 105.3558



24.5624, 47.4949, 13.2091



13.1643, 15.0332, 22.4578



0.0000, 0.0000, 0.0000



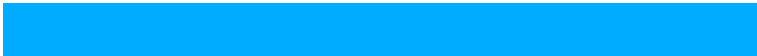
20.3446, 21.4041, 23.3091

Same Dimension

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



21.7070, 24.3992, 65.8533



32.8002, 36.7204, 99.9667



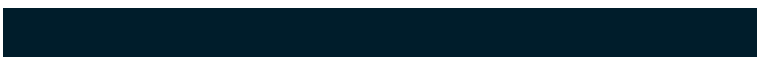
12.6067, 6.1986, 62.8199



12.4356, 13.3946, 15.8675



13.4936, 15.2489, 40.6853



0.8877, 1.0674, 2.4786

Inverse Universe

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



32.1102, 15.9814, 27.3795



48.6852, 24.2381, 41.1359



42.1228, 43.9391, 6.2623



12.7731, 12.5607, 14.7453



19.8698, 9.8842, 17.1503



1.2357, 0.6111, 1.2307

Previews

White Background



This preview shows how the XYZ color 21.7061, 24.3984, 65.8527 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 21.7061, 24.3984, 65.8527 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 21.7061, 24.3984, 65.8527

Background



This preview shows how black text looks on a background with the XYZ color 21.7061, 24.3984, 65.8527.

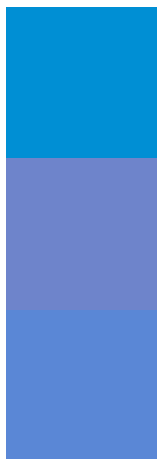


This preview shows how white text looks on a background with the XYZ color 21.7061, 24.3984,

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

21.7061, 24.3984, 65.8527

Protanopia

25.4612, 24.1293, 59.8154

Deuteranopia

25.0180, 24.3566, 67.0010



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

21.7061, 24.3984, 65.8527



Protanomaly

22.4705, 23.3666, 61.7184



Deuteranomaly

22.7861, 23.8509, 66.3535



Tritanomaly

18.6719, 24.1627, 46.8598

Monochromacy



Original Color

21.7061, 24.3984, 65.8527



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

14.4799, 17.0153, 29.7152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7061, 24.3984, 65.8527 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, 143, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 212)  
}
```

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, 143, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 212) }
```

Border

The CSS property to change the border of an element to XYZ 21.7061, 24.3984, 65.8527 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, 143, 212) }
```


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

```
.border{ border-color:rgb(0, 143, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7061, 24.3984, 65.8527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 212) }
```

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

```
.background{ background-color: rgb(0, 143,  
212) }
```

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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