

Converting Colors

XYZ(21.3557, 23.7681, 65.5183)

Have a look what the booklet for
XYZ(21.3557, 23.7681, 65.5183)
contains.

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Color

**XYZ(21.4085, 23.8032,
65.7535)**

Conversions

Conversions Part 1

Format	Color
Hex	008DD4
RGB	0, 141, 212
RGB Percent	0%, 55%, 83%
CMY	0.9998, 0.4471, 0.1686
CMYK	1.00, 0.33, 0.00, 0.17
HSL	200°, 100%, 42%
HSV	200°, 100%, 83%
XYZ	21.4085, 23.8032, 65.7535
YIQ	106.9350, -106.8270, -7.8110

Conversions

Conversions Part 2

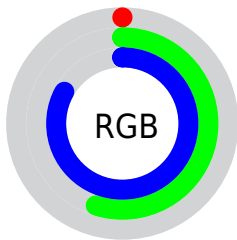
Format	Color
RYB	0, 85, 212
Decimal	36308
CIELab	55.89, -5.65, -45.10
CIELCh	56, 45.455, 262.856
Yxy	23.8032, 0.1929, 0.2145
Android (android.graphics.Color)	4278226388 (0xFF008DD4)
YUV	106.9350, 51.7970, -93.7820
Hunter-Lab	48.7885, -7.0538, -45.7546

Details

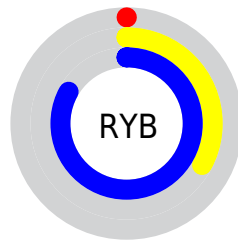
The XYZ color **21.4085, 23.8032, 65.7535** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.4080, 18.5096, 2.0241**, and the grayscale version is **13.8436, 14.5646, 15.8608**.

A 20% lighter version of the original color is **42.7086, 48.5703, 101.7318**, and **9.8269, 9.9165, 33.2944** is the 20% darker color. If you saturate the color by 10%, you get **21.4065, 23.7991, 65.7533**, and if you desaturate by 10%, it is **22.8043, 26.1277, 66.1291**.

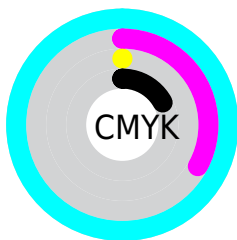
Distribution



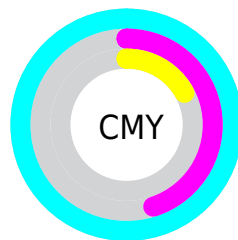
- Red (0%)
- Green (55%)
- Blue (83%)



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



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



- Cyan (100%)
- Magenta (45%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4085, 23.8032, 65.7535 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 21.4085, 23.8032, 65.7535 by changing the saturation by 10% instead.

■ 21.4085, 23.8032,
65.7535

■ 21.4085, 23.8032,
65.7535

252.1324,
271.8240, 463.8749

■ 13.5371, 15.1877,
47.6171

■ 45.2526, 49.7089,
114.7561

■ 7.8790, 8.9512,
33.1659

■ 61.9560, 67.7678,
146.4594

■ 4.0687, 4.7094,
21.9814

■ 82.3340, 89.7434,
183.5220

■ 1.7411, 2.0778,
13.6451

■ 106.7522,
116.0199, 226.3626

■ 0.4818, 0.6521,
7.7383

■ 135.5757,
146.9819, 275.3997

■ 0.0000, 0.0000,
3.8426

169.1700,

■ 0.0000, 0.0000,

183.0136, 331.0517

1.5394

207.9005,
224.4995, 393.7373

■ 0.0000, 0.0000,
0.2470

■ 0.0000, 0.0000,
0.0000

■ 21.4085, 23.8032,
65.7535

■ 21.4085, 23.8032,
65.7535

■ 21.4065, 23.7991,
65.7533

■ 22.8043, 26.1277,
66.1291

■ 24.6124, 28.7660,
66.5431

■ 26.9495, 31.7802,
67.0017

■ 29.8801, 35.2054,
67.5084

■ 33.4585, 39.0712,
68.0659

■ 37.7327, 43.4038,
68.6769

■ 42.7456, 48.2272,
69.3437

■ 48.5366, 53.5632,
70.0685

■ 55.1422, 59.4320,
70.8531

Harmonies

Analogous

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



17.1293, 23.8032, 55.9380



21.4085, 23.8032, 65.7535



26.7159, 23.8032, 62.0717

Triad

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



21.4085, 23.8032, 65.7535



33.0947, 23.8032, 16.3451



15.5798, 23.8032, 12.2316

Complementary

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



21.4085, 23.8032, 65.7535



29.4080, 18.5096, 2.0241

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.



18.9732, 23.8032, 7.5216



21.4085, 23.8032, 65.7535



29.1842, 23.8032, 9.1855

Square

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



21.4085, 23.8032, 65.7535



34.0107, 23.8032, 29.6279



23.8851, 23.8032, 6.6715



14.1135, 23.8032, 22.5309

Rectangle

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



21.4085, 23.8032, 65.7535



30.0941, 23.8032, 52.9428



23.8851, 23.8032, 6.6715



16.5056, 23.8032, 10.1309

Sweetspot

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



21.4094, 23.8040, 65.7541



64.6481, 72.9903, 105.2890



24.6719, 47.5387, 13.7861



13.1164, 14.9372, 22.4418



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.



21.4094, 23.8040, 65.7541



32.3464, 35.8127, 99.8155



12.4964, 5.9779, 62.7831



12.4255, 13.3744, 15.8641



13.3109, 14.8835, 40.6244



0.8777, 1.0474, 2.4752

Inverse Universe

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



31.9599, 15.9213, 26.5885



48.4561, 24.1465, 39.9297



42.8099, 45.3133, 6.4914



12.7680, 12.5587, 14.7183



19.7776, 9.8473, 16.6646



1.2307, 0.6091, 1.2040

Previews

White Background



This preview shows how the XYZ color 21.4085, 23.8032, 65.7535 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 21.4085, 23.8032, 65.7535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

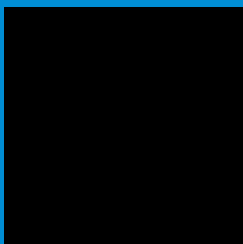
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

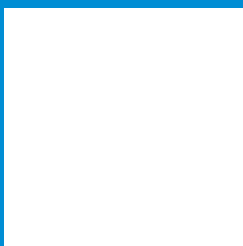
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4085, 23.8032, 65.7535

Background



This preview shows how black text looks on a background with the XYZ color 21.4085, 23.8032, 65.7535.

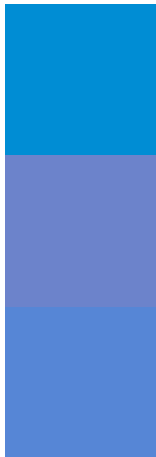


This preview shows how white text looks on a background with the XYZ color 21.4085, 23.8032,

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

21.4085, 23.8032, 65.7535

Protanopia

25.0801, 23.7325, 59.7589

Deuteranopia

24.5004, 23.8837, 66.9370



Tritanopia

16.8479, 23.6830, 36.4842

Trichromacy



Original Color

21.4085, 23.8032, 65.7535

Protanomaly

22.2588, 23.0494, 61.6683

Deuteranomaly

22.5314, 23.5076, 66.3007

Tritanomaly

18.1613, 23.4652, 45.6915

Monochromacy



Original Color

21.4085, 23.8032, 65.7535

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.0916, 16.4669, 29.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4085, 23.8032, 65.7535 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, 141, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 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, 141, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 212) }
```

Border

The CSS property to change the border of an element to XYZ 21.4085, 23.8032, 65.7535 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, 141, 212) }
```


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

```
.border{ border-color:rgb(0, 141, 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, 141, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4085, 23.8032, 65.7535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 212) }
```

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

```
.background{ background-color: rgb(0, 141,  
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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