

Converting Colors

XYZ(21.1314, 23.5756, 64.4103)

Have a look what the booklet for
XYZ(21.1314, 23.5756, 64.4103)
contains.

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Color

**XYZ(21.0610, 23.4351,
64.3862)**

Conversions

Conversions Part 1

Format	Color
Hex	048CD2
RGB	4, 140, 210
RGB Percent	2%, 55%, 82%
CMY	0.9841, 0.4510, 0.1765
CMYK	0.98, 0.33, 0.00, 0.18
HSL	200°, 96%, 42%
HSV	200°, 98%, 82%
XYZ	21.0610, 23.4351, 64.3862
YIQ	107.3160, -103.5260, -7.0620

Conversions

Conversions Part 2

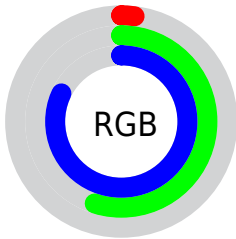
Format	Color
R_{YB}	4, 86, 210
Decimal	298194
CIE _{Lab}	55.52, -5.70, -44.56
CIE _{LCh}	56, 44.927, 262.708
Yxy	23.4351, 0.1934, 0.2152
Android (android.graphics.Color)	4278488274 (0xFF048CD2)
YUV	107.3160, 50.6232, -90.6081
Hunter-Lab	48.4098, -7.0596, -44.9702

Details

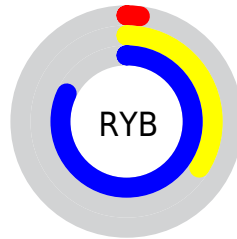
The XYZ color **21.0610, 23.4351, 64.3862** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **29.0527, 18.6146, 2.1780**, and the grayscale version is **13.9515, 14.6781, 15.9844**.

A 20% lighter version of the original color is **42.4868, 48.1266, 101.6578**, and **9.5726, 9.6789, 32.3740** is the 20% darker color. If you saturate the color by 10%, you get **20.8114, 23.0101, 64.3178**, and if you desaturate by 10%, it is **22.4904, 25.7711, 64.7623**.

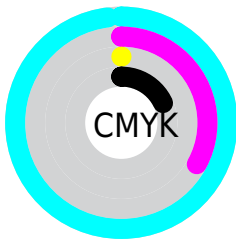
Distribution



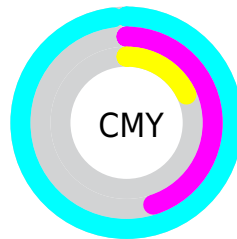
- Red (2%)
- Green (55%)
- Blue (82%)



- Red (2%)
- Yellow (34%)
- Blue (82%)



- Cyan (98%)
- Magenta (33%)
- Yellow (0%)
- Black (18%)



- Cyan (98%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0610, 23.4351, 64.3862 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 21.0610, 23.4351, 64.3862 by changing the saturation by 10% instead.

■ 21.0610, 23.4351,
64.3862

■ 21.0610, 23.4351,
64.3862

250.3281,
269.9519, 458.8286

■ 13.2813, 14.9151,
46.5154

■ 44.6795, 49.1068,
112.7718

■ 7.7009, 8.7598,
32.3011

■ 61.2491, 67.0273,
144.1235

■ 3.9543, 4.5849,
21.3249

■ 81.4794, 88.8500,
180.8061

■ 1.6763, 2.0058,
13.1681

■ 105.7356,
114.9595, 223.2379

■ 0.4414, 0.6108,
7.4123

■ 134.3833,
145.7400, 271.8375

■ 0.0000, 0.0000,
3.6389

167.7877,

■ 0.0000, 0.0000,

181.5760, 327.0235

1.4294

206.3141,
222.8518, 389.2143

■ 0.0000, 0.0000,
0.1645

■ 0.0000, 0.0000,
0.0000

■ 21.0610, 23.4351,
64.3862

■ 21.0610, 23.4351,
64.3862

■ 20.8114, 23.0101,
64.3178

■ 22.4904, 25.7711,
64.7623

■ 24.3631, 28.4377,
65.1783

■ 26.7684, 31.4829,
65.6393

■ 29.7668, 34.9396,
66.1485

■ 33.4101, 38.8364,
66.7086

■ 37.7441, 43.1984,
67.3221

■ 42.8103, 48.0486,
67.9913

■ 48.6464, 53.4081,
68.7182

■ 55.2876, 59.2967,
69.5048

Harmonies

Analogous

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



16.8795, 23.4351, 54.7598



21.0610, 23.4351, 64.3862



26.2495, 23.4351, 60.8633

Triad

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



21.0610, 23.4351, 64.3862



32.5203, 23.4351, 16.1931



15.3901, 23.4351, 12.0740

Complementary

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



21.0610, 23.4351, 64.3862



29.0527, 18.6146, 2.1780

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.



18.7223, 23.4351, 7.4664



21.0610, 23.4351, 64.3862



28.7113, 23.4351, 9.1379

Square

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



21.0610, 23.4351, 64.3862



33.3984, 23.4351, 29.2231



23.5334, 23.4351, 6.6450



13.9434, 23.4351, 22.1380

Rectangle

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



21.0610, 23.4351, 64.3862



29.5544, 23.4351, 51.9891



23.5334, 23.4351, 6.6450



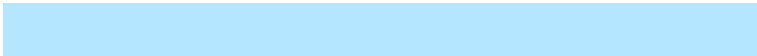
16.3002, 23.4351, 10.0192

Sweetspot

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



21.0619, 23.4358, 64.3868



65.3772, 73.5687, 105.3622



24.2901, 46.5968, 13.9650



13.2507, 15.0406, 22.4547



0.0000, 0.0000, 0.0000



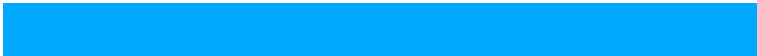
20.3446, 21.4041, 23.3091

Same Dimension

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



21.0619, 23.4358, 64.3868



32.1136, 35.3473, 99.7379



12.3888, 6.0896, 61.4958



11.8059, 12.7021, 15.0732



12.7910, 14.2286, 39.2647



0.7872, 0.9395, 2.2194

Inverse Universe

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



31.3562, 15.6831, 26.1859



48.3387, 24.0995, 39.3111



42.0625, 44.6342, 6.5146



12.1329, 11.9379, 13.9758



19.0870, 9.5077, 15.8963



1.1035, 0.5461, 1.0801

Previews

White Background



This preview shows how the XYZ color 21.0610, 23.4351, 64.3862 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 21.0610, 23.4351, 64.3862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

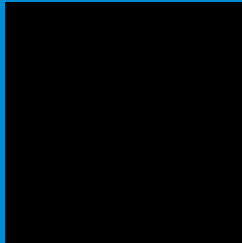
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.0610, 23.4351, 64.3862

Background



This preview shows how black text looks on a background with the XYZ color 21.0610, 23.4351, 64.3862.

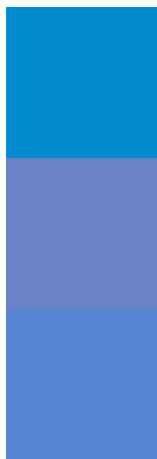


This preview shows how white text looks on a background with the XYZ color 21.0610, 23.4351,

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

21.0610, 23.4351, 64.3862

Protanopia

24.5887, 23.3081, 58.4613

Deuteranopia

24.1089, 23.5070, 65.5540



Tritanopia

16.6053, 23.3361, 35.9769

Trichromacy



Original Color

21.0610, 23.4351, 64.3862

Protanomaly

21.9500, 22.7119, 60.3537

Deuteranomaly

22.1929, 23.1522, 64.9271

Tritanomaly

17.9216, 23.1273, 45.1144

Monochromacy



Original Color

21.0610, 23.4351, 64.3862

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.1567, 16.5094, 28.8260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0610, 23.4351, 64.3862 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(4, 140, 210)` looks like.

```
.text, #text, p{  
    color:rgb(4, 140, 210)  
}
```

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(4, 140, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 140, 210) }
```

Border

The CSS property to change the border of an element to XYZ 21.0610, 23.4351, 64.3862 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(4, 140, 210) }
```


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

```
.border{ border-color:rgb(4, 140, 210) }
```

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

Here you see how a box with a 4 pixel rgb(4, 140, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 140, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 140, 210);  
box-shadow:4px 4px 4px 4px rgb(4, 140,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0610, 23.4351, 64.3862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 140, 210) }
```

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

```
.background{ background-color: rgb(4, 140,  
210) }
```

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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