

Converting Colors

XYZ(21.1298, 24.3275, 62.3255)

Have a look what the booklet for
XYZ(21.1298, 24.3275, 62.3255)
contains.

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Color

**XYZ(21.2357, 24.4515,
62.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	0090CF
RGB	0, 144, 207
RGB Percent	0%, 56%, 81%
CMY	0.9998, 0.4353, 0.1882
CMYK	1.00, 0.30, 0.00, 0.19
HSL	198°, 100%, 41%
HSV	198°, 100%, 81%
XYZ	21.2357, 24.4515, 62.6319
YIQ	108.1260, -106.0470, -10.9350

Conversions

Conversions Part 2

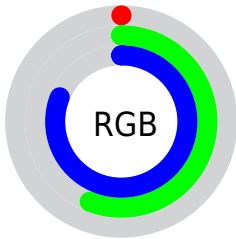
Format	Color
RYB	0, 85, 207
Decimal	37071
CIELab	56.54, -9.26, -41.27
CIELCh	57, 42.294, 257.351
Yxy	24.4515, 0.1960, 0.2257
Android (android.graphics.Color)	4278227151 (0xFF0090CF)
YUV	108.1260, 48.7449, -94.8265
Hunter-Lab	49.4485, -9.8778, -40.4834

Details

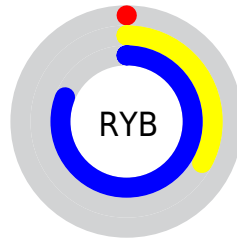
The XYZ color **21.2357, 24.4515, 62.6319** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.5124, 16.8253, 1.7988**, and the grayscale version is **14.1820, 14.9205, 16.2485**.

A 20% lighter version of the original color is **43.4996, 50.3175, 102.0273**, and **9.6702, 10.2724, 31.1789** is the 20% darker color. If you saturate the color by 10%, you get **21.2341, 24.4481, 62.6318**, and if you desaturate by 10%, it is **22.5212, 26.5711, 62.9738**.

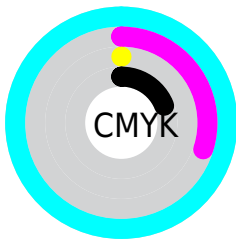
Distribution



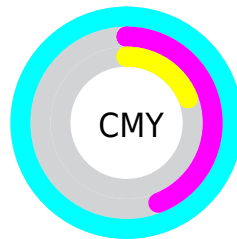
- Red (0%)
- Green (56%)
- Blue (81%)



- Red (0%)
- Yellow (33%)
- Blue (81%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (44%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2357, 24.4515, 62.6319 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 21.2357, 24.4515, 62.6319 by changing the saturation by 10% instead.

■ 21.2357, 24.4515,
62.6319

■ 21.2357, 24.4515,
62.6319

251.2365,
275.0952, 452.3035

■ 13.4098, 15.6689,
45.1044

■ 44.9678, 50.7660,
110.2187

■ 7.7903, 9.2902,
31.1961

■ 61.6048, 69.0666,
141.1151

■ 4.0117, 4.9309,
20.4885

■ 81.9095, 91.3088,
177.3049

■ 1.7088, 2.2068,
12.5631

■ 106.2473,
117.8768, 219.2066

■ 0.4618, 0.7237,
7.0012

■ 134.9835,
149.1550, 267.2388

■ 0.0000, 0.0000,
3.3844

168.4836,

■ 0.0000, 0.0000,

185.5279, 321.8200

1.2941

207.1128,
227.3798, 383.3687

■ 0.0000, 0.0000,
0.0569

■ 0.0000, 0.0000,
0.0000

■ 21.2357, 24.4515,
62.6319

■ 21.2357, 24.4515,
62.6319

■ 21.2341, 24.4481,
62.6318

■ 22.5212, 26.5711,
62.9738

■ 24.1849, 28.9658,
63.3483

■ 26.3386, 31.6946,
63.7615

■ 29.0425, 34.7897,
64.2164

■ 32.3476, 38.2788,
64.7157

■ 36.2988, 42.1860,
65.2616

■ 40.9364, 46.5332,
65.8563

■ 46.2973, 51.3405,
66.5016

■ 52.4156, 56.6267,
67.1995

Harmonies

Analogous

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



17.4183, 24.4515, 51.8418



21.2357, 24.4515, 62.6319



26.1681, 24.4515, 61.6229

Triad

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



21.2357, 24.4515, 62.6319



33.4550, 24.4515, 19.3534



16.9708, 24.4515, 12.1962

Complementary

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



21.2357, 24.4515, 62.6319



27.5124, 16.8253, 1.7988

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.



20.5397, 24.4515, 8.2685



21.2357, 24.4515, 62.6319



30.2338, 24.4515, 11.2886

Square

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



21.2357, 24.4515, 62.6319



33.7110, 24.4515, 32.9872



25.3675, 24.4515, 8.0083



15.1991, 24.4515, 21.1359

Rectangle

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



21.2357, 24.4515, 62.6319



29.4448, 24.4515, 54.3850



25.3675, 24.4515, 8.0083



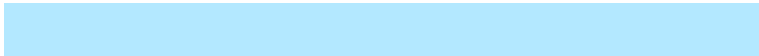
17.9752, 24.4515, 10.4067

Sweetspot

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



21.2366, 24.4523, 62.6325



65.3009, 74.2960, 105.5066



23.1867, 44.9756, 12.0353



13.2726, 15.2497, 22.4939



0.0000, 0.0000, 0.0000



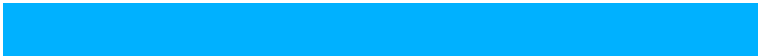
20.3446, 21.4041, 23.3091

Same Dimension

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



21.2366, 24.4523, 62.6325



33.8466, 38.8132, 100.3155



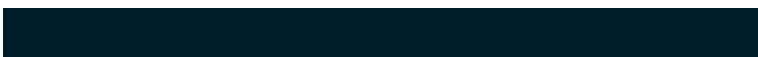
12.0712, 6.1214, 59.5774



11.8420, 12.7743, 15.0852



13.4651, 15.5769, 39.4894



0.8211, 1.0074, 2.2307

Inverse Universe

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



30.7670, 15.2801, 27.7139



49.2134, 24.4494, 43.9173



39.2979, 40.3962, 5.7273



12.1511, 11.9452, 14.0717



19.4273, 9.6438, 17.6882



1.1207, 0.5530, 1.1703

Previews

White Background



This preview shows how the XYZ color 21.2357, 24.4515, 62.6319 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 21.2357, 24.4515, 62.6319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

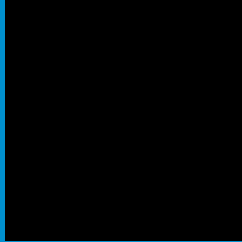
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.2357, 24.4515, 62.6319

Background



This preview shows how black text looks on a background with the XYZ color 21.2357, 24.4515, 62.6319.

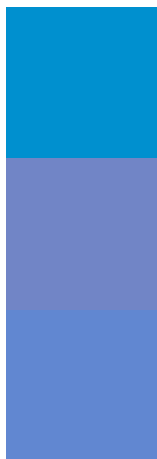


This preview shows how white text looks on a background with the XYZ color 21.2357, 24.4515,

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

21.2357, 24.4515, 62.6319

Protanopia

25.3906, 24.3630, 56.7904

Deuteranopia

25.1024, 24.4728, 63.7223



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

21.2357, 24.4515, 62.6319



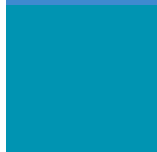
Protanomaly

22.1608, 23.4861, 58.6236



Deuteranomaly

22.4603, 23.7552, 63.0759



Tritanomaly

18.6258, 24.3942, 45.8463

Monochromacy



Original Color

21.2357, 24.4515, 62.6319



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

14.3257, 16.9536, 28.9029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2357, 24.4515, 62.6319 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, 144, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 144, 207)  
}
```

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, 144, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 144, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.2357, 24.4515, 62.6319 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, 144, 207) }
```


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

```
.border{ border-color:rgb(0, 144, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 144, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 144, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 144, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 144,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2357, 24.4515, 62.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 144, 207) }
```

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

```
.background{ background-color: rgb(0, 144,  
207) }
```

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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