

Converting Colors

XYZ(19.8112, 24.4496, 62.3418)

Have a look what the booklet for
XYZ(19.8112, 24.4496, 62.3418)
contains.

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Color

**XYZ(21.5743, 25.3237,
62.1434)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 0093CE |
| RGB | 0, 147, 206 |
| RGB Percent | 0%, 58%, 81% |
| CMY | 0.9998, 0.4235, 0.1922 |
| CMYK | 1.00, 0.29, 0.00, 0.19 |
| HSL | 197°, 100%, 40% |
| HSV | 197°, 100%, 81% |
| XYZ | 21.5743, 25.3237, 62.1434 |
| YIQ | 109.7730, -106.5510, -12.8150 |

Conversions

Conversions Part 2

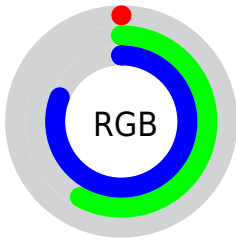
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 86, 206 |
| Decimal | 37838 |
| CIELab | 57.39, -11.33, -39.36 |
| CIELCh | 57, 40.963, 253.941 |
| Yxy | 25.3237, 0.1979, 0.2322 |
| Android (android.graphics.Color) | 4278227918 (0xFF0093CE) |
| YUV | 109.7730, 47.4399, -96.2709 |
| Hunter-Lab | 50.3227, -11.5382, -37.9913 |

Details

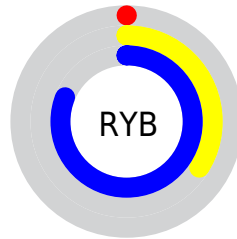
The XYZ color **21.5743, 25.3237, 62.1434** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.0204, 16.2546, 1.7146**, and the grayscale version is **14.6507, 15.4137, 16.7855**.

A 20% lighter version of the original color is **44.1922, 51.7026, 102.2582**, and **9.8606, 10.7838, 30.8399** is the 20% darker color. If you saturate the color by 10%, you get **21.5726, 25.3202, 62.1433**, and if you desaturate by 10%, it is **22.8178, 27.3626, 62.4719**.

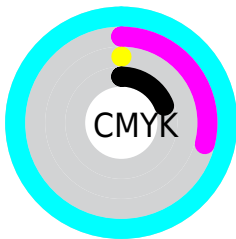
Distribution



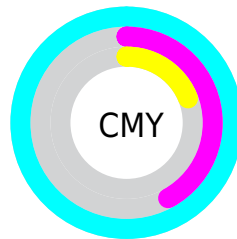
- Red (0%)
- Green (58%)
- Blue (81%)



- Red (0%)
- Yellow (34%)
- Blue (81%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (42%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5743, 25.3237, 62.1434 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 21.5743, 25.3237, 62.1434 by changing the saturation by 10% instead.

■ 21.5743, 25.3237,
62.1434

■ 21.5743, 25.3237,
62.1434

252.9894,
279.4462, 450.4761

■ 13.6593, 16.3184,
44.7120

■ 45.5255, 52.1819,
109.5064

■ 7.9642, 9.7497,
30.8894

■ 62.2924, 70.8035,
140.2750

■ 4.1237, 5.2333,
20.2569

■ 82.7406, 93.3994,
176.3266

■ 1.7723, 2.3848,
12.3960

■ 107.2356,
120.3539, 218.0795

■ 0.5009, 0.8181,
6.8882

■ 136.1426,
152.0515, 265.9524

■ 0.0000, 0.0000,
3.3149

169.8270,

■ 0.0000, 0.0000,

188.8764, 320.3638

1.2576

208.6541,
231.2132, 381.7321

■ 0.0000, 0.0000,
0.0266

■ 0.0000, 0.0000,
0.0000

■ 21.5743, 25.3237,
62.1434

■ 21.5743, 25.3237,
62.1434

■ 21.5726, 25.3202,
62.1433

■ 22.8178, 27.3626,
62.4719

■ 24.4295, 29.6617,
62.8308

■ 26.5197, 32.2795,
63.2259

■ 29.1480, 35.2476,
63.6603

■ 32.3646, 38.5928,
64.1364

■ 36.2137, 42.3387,
64.6566

■ 40.7349, 46.5069,
65.2228

■ 45.9647, 51.1169,
65.8370

■ 51.9365, 56.1870,
66.5009

Harmonies

Analogous

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



17.9448, 25.3237, 50.6425



21.5743, 25.3237, 62.1434



26.3931, 25.3237, 62.5850

Triad

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



21.5743, 25.3237, 62.1434



34.3328, 25.3237, 21.6118



18.1466, 25.3237, 12.4363

Complementary

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



21.5743, 25.3237, 62.1434



27.0204, 16.2546, 1.7146

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.



21.8863, 25.3237, 8.8937



21.5743, 25.3237, 62.1434



31.4497, 25.3237, 12.8527

Square

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



21.5743, 25.3237, 62.1434



34.2196, 25.3237, 35.6645



26.7499, 25.3237, 9.0148



16.1556, 25.3237, 20.8088

Rectangle

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



21.5743, 25.3237, 62.1434



29.6767, 25.3237, 56.2906



26.7499, 25.3237, 9.0148



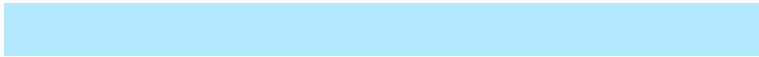
19.2171, 25.3237, 10.7894

Sweetspot

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



21.5752, 25.3245, 62.1440



65.6881, 75.0704, 105.6356



22.8460, 44.4529, 11.4327



13.3654, 15.4353, 22.5248



0.0000, 0.0000, 0.0000



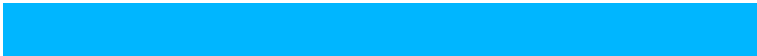
20.3446, 21.4041, 23.3091

Same Dimension

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



21.5752, 25.3245, 62.1440



34.7680, 40.6559, 100.6227



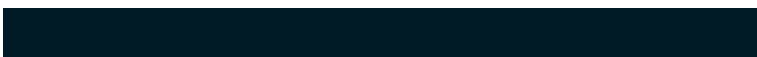
12.0671, 6.3082, 58.9747



11.2612, 12.1628, 14.3245



13.3701, 15.7642, 38.2944



0.7526, 0.9389, 1.9965

Inverse Universe

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



30.7209, 15.2296, 28.9249



49.6785, 24.6354, 46.3663



38.2650, 38.7438, 5.4628



11.5452, 11.3468, 13.4056



18.9595, 9.3944, 18.0373



1.0098, 0.4973, 1.0975

Previews

White Background



This preview shows how the XYZ color 21.5743, 25.3237, 62.1434 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 21.5743, 25.3237, 62.1434 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

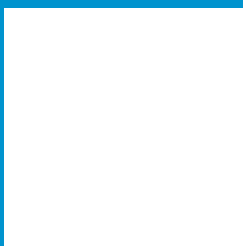
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5743, 25.3237, 62.1434

Background



This preview shows how black text looks on a background with the XYZ color 21.5743, 25.3237, 62.1434.

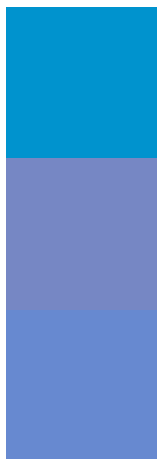


This preview shows how white text looks on a background with the XYZ color 21.5743, 25.3237,

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

21.5743, 25.3237, 62.1434

Protanopia

26.0990, 25.1650, 55.7063

Deuteranopia

25.9243, 25.3290, 63.1971



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



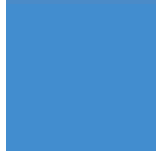
Original Color

21.5743, 25.3237, 62.1434



Protanomaly

22.5596, 24.1312, 58.1124



Deuteranomaly

23.0341, 24.7130, 62.5875



Tritanomaly

19.0430, 25.0674, 46.4826

Monochromacy



Original Color

21.5743, 25.3237, 62.1434



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

14.7196, 17.5123, 29.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5743, 25.3237, 62.1434 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, 147, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 206)  
}
```

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, 147, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 206) }
```

Border

The CSS property to change the border of an element to XYZ 21.5743, 25.3237, 62.1434 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, 147, 206) }
```


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

```
.border{ border-color:rgb(0, 147, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 147,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5743, 25.3237, 62.1434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 206) }
```

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

```
.background{ background-color: rgb(0, 147,  
206) }
```

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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