

Converting Colors

XYZ(13.4835, 20.8747, 62.6658)

Have a look what the booklet for
XYZ(13.4835, 20.8747, 62.6658)
contains.

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Color

**XYZ(21.5414, 25.0628,
62.7337)**

Conversions

Conversions Part 1

Format	Color
Hex	0092CF
RGB	0, 146, 207
RGB Percent	0%, 57%, 81%
CMY	0.9998, 0.4274, 0.1882
CMYK	1.00, 0.29, 0.00, 0.19
HSL	198°, 100%, 41%
HSV	198°, 100%, 81%
XYZ	21.5414, 25.0628, 62.7337
YIQ	109.3000, -106.5970, -11.9810

Conversions

Conversions Part 2

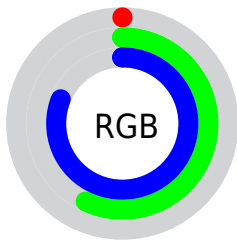
Format	Color
RYB	0, 86, 207
Decimal	37583
CIELab	57.14, -10.40, -40.32
CIELCh	57, 41.643, 255.542
Yxy	25.0628, 0.1970, 0.2292
Android (android.graphics.Color)	4278227663 (0xFF0092CF)
YUV	109.3000, 48.1661, -95.8561
Hunter-Lab	50.0628, -10.8034, -39.2524

Details

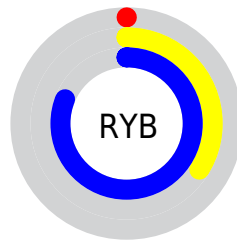
The XYZ color **21.5414, 25.0628, 62.7337** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **27.4040, 16.6083, 1.7628**, and the grayscale version is **14.5146, 15.2705, 16.6296**.

A 20% lighter version of the original color is **43.9598, 51.2379, 102.1807**, and **9.8504, 10.6327, 31.2389** is the 20% darker color. If you saturate the color by 10%, you get **21.5395, 25.0588, 62.7336**, and if you desaturate by 10%, it is **22.8115, 27.1517, 63.0705**.

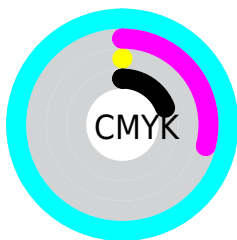
Distribution



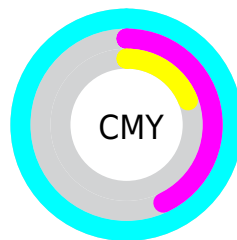
- Red (0%)
- Green (57%)
- Blue (81%)



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



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



- Cyan (100%)
- Magenta (43%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5414, 25.0628, 62.7337 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 21.5414, 25.0628, 62.7337 by changing the saturation by 10% instead.

■ 21.5414, 25.0628,
62.7337

■ 21.5414, 25.0628,
62.7337

252.8195,
278.1505, 452.6837

■ 13.6350, 16.1238,
45.1862

■ 45.4714, 51.7591,
110.3671

■ 7.9473, 9.6118,
31.2601

■ 62.2257, 70.2852,
141.2901

■ 4.1127, 5.1424,
20.5369

■ 82.6600, 92.7758,
177.5086

■ 1.7661, 2.3310,
12.5980

■ 107.1397,
119.6154, 219.4412

■ 0.4971, 0.7901,
7.0248

■ 136.0302,
151.1882, 267.5065

■ 0.0000, 0.0000,
3.3989

169.6967,

■ 0.0000, 0.0000,

187.8788, 322.1230

1.3018

208.5047,
230.0714, 383.7092

■ 0.0000, 0.0000,
0.0632

■ 0.0000, 0.0000,
0.0000

■ 21.5414, 25.0628,
62.7337

■ 21.5414, 25.0628,
62.7337

■ 21.5395, 25.0588,
62.7336

■ 22.8115, 27.1517,
63.0705

■ 24.4568, 29.5093,
63.4388

■ 26.5888, 32.1945,
63.8448

■ 29.2678, 35.2395,
64.2913

■ 32.5446, 38.6717,
64.7811

■ 36.4641, 42.5150,
65.3163

■ 41.0664, 46.7913,
65.8992

■ 46.3884, 51.5205,
66.5315

■ 52.4641, 56.7212,
67.2151

Harmonies

Analogous

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



17.8025, 25.0628, 51.4929



21.5414, 25.0628, 62.7337



26.4415, 25.0628, 62.5033

Triad

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



21.5414, 25.0628, 62.7337



34.1231, 25.0628, 20.6669



17.6986, 25.0628, 12.3955

Complementary

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



21.5414, 25.0628, 62.7337



27.4040, 16.6083, 1.7628

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.



21.3804, 25.0628, 8.6501



21.5414, 25.0628, 62.7337



31.0638, 25.0628, 12.1829

Square

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



21.5414, 25.0628, 62.7337



34.1819, 25.0628, 34.6110



26.2569, 25.0628, 8.5887



15.7996, 25.0628, 21.0803

Rectangle

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



21.5414, 25.0628, 62.7337



29.7413, 25.0628, 55.7292



26.2569, 25.0628, 8.5887



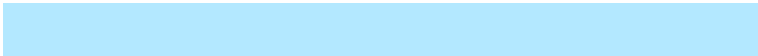
18.7444, 25.0628, 10.6721

Sweetspot

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



21.5423, 25.0636, 62.7343



65.5089, 74.7120, 105.5759



23.0949, 44.9389, 11.5519



13.3225, 15.3494, 22.5105



0.0000, 0.0000, 0.0000



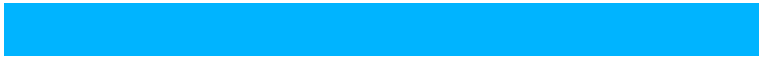
20.3446, 21.4041, 23.3091

Same Dimension

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



21.5423, 25.0636, 62.7343



34.3387, 39.7973, 100.4796



12.1974, 6.3737, 59.6193



11.8519, 12.7940, 15.0885



13.6563, 15.9591, 39.5532



0.8306, 1.0264, 2.2339

Inverse Universe

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



30.9213, 15.3420, 28.5264



49.4618, 24.5487, 45.2252



38.6814, 39.1632, 5.5219



12.1561, 11.9472, 14.0979



19.5238, 9.6824, 18.1962



1.1255, 0.5549, 1.1956

Previews

White Background



This preview shows how the XYZ color 21.5414, 25.0628, 62.7337 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 21.5414, 25.0628, 62.7337 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

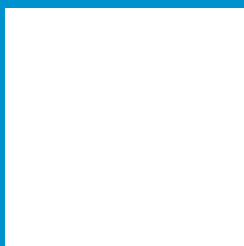
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5414, 25.0628, 62.7337

Background



This preview shows how black text looks on a background with the XYZ color 21.5414, 25.0628, 62.7337.

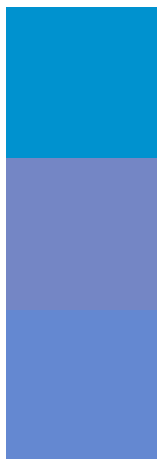


This preview shows how white text looks on a background with the XYZ color 21.5414, 25.0628,

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

21.5414, 25.0628, 62.7337

Protanopia

25.8056, 24.7944, 56.2490

Deuteranopia

25.5683, 24.9211, 63.7843



Tritanopia

17.8391, 25.1008, 38.5551

Trichromacy



Original Color

21.5414, 25.0628, 62.7337

Protanomaly

22.4551, 23.8498, 58.6783

Deuteranomaly

22.8776, 24.4002, 63.1784

Tritanomaly

19.0430, 25.0674, 46.4826

Monochromacy



Original Color

21.5414, 25.0628, 62.7337

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.5246, 17.2286, 29.3480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5414, 25.0628, 62.7337 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, 146, 207)` looks like.

```
.text, #text, p{  
    color:rgb(0, 146, 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, 146, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 146, 207) }
```

Border

The CSS property to change the border of an element to XYZ 21.5414, 25.0628, 62.7337 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, 146, 207) }
```


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

```
.border{ border-color:rgb(0, 146, 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, 146, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 146, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 146, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 146,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5414, 25.0628, 62.7337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 146, 207) }
```

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

```
.background{ background-color: rgb(0, 146,  
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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