

Converting Colors

XYZ(21.3186, 27.9928, 52.2531)

Have a look what the booklet for
XYZ(21.3186, 27.9928, 52.2531)
contains.

XYZ(21.4122, 28.1278, 52.4448)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	30

Color

**XYZ(21.4122, 28.1278,
52.4448)**

Conversions

Conversions Part 1

Format	Color
Hex	009EBD
RGB	0, 158, 189
RGB Percent	0%, 62%, 74%
CMY	0.9998, 0.3804, 0.2588
CMYK	1.00, 0.16, 0.00, 0.26
HSL	190°, 100%, 37%
HSV	190°, 100%, 74%
XYZ	21.4122, 28.1278, 52.4448
YIQ	114.2920, -104.1190, -23.8550

Conversions

Conversions Part 2

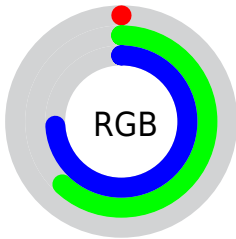
Format	Color
R _Y B	0, 86, 189
Decimal	40637
CIE Lab	60.00, -23.37, -25.73
CIE LCh	60, 34.760, 227.759
Yxy	28.1278, 0.2100, 0.2758
Android (android.graphics.Color)	4278230717 (0xFF009EBD)
YUV	114.2920, 36.8310, -100.2341
Hunter-Lab	53.0356, -20.7462, -21.5045

Details

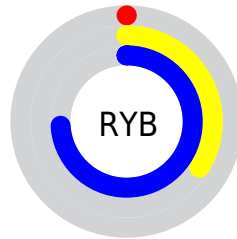
The XYZ color **21.4122, 28.1278, 52.4448** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.4779, 11.8013, 1.1471**, and the grayscale version is **16.0013, 16.8347, 18.3329**.

A 20% lighter version of the original color is **45.2054, 56.7225, 94.9522**, and **9.5980, 12.0856, 25.1194** is the 20% darker color. If you saturate the color by 10%, you get **21.4113, 28.1260, 52.4451**, and if you desaturate by 10%, it is **22.2157, 29.3376, 52.6365**.

Distribution



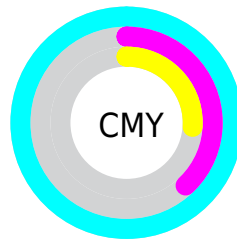
- Red (0%)
- Green (62%)
- Blue (74%)



- Red (0%)
- Yellow (34%)
- Blue (74%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4122, 28.1278, 52.4448 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 21.4122, 28.1278, 52.4448 by changing the saturation by 10% instead.

■ 21.4122, 28.1278,
52.4448

■ 21.4122, 28.1278,
52.4448

■ 252.1515,
293.0771, 413.1571

■ 13.5398, 18.4220,
36.9751

■ 45.2587, 56.6884,
95.2201

■ 7.8809, 11.2534,
24.8925

■ 61.9635, 76.3120,
123.3628

■ 4.0700, 6.2375,
15.7787

■ 82.3431, 100.0104,
156.5669

■ 1.7418, 2.9901,
9.2151

■ 106.7630,
128.1679, 195.2509

■ 0.4822, 1.1265,
4.7830

■ 135.5884,
161.1689, 239.8334

■ 0.0000, 0.0004,
2.0640

■ 169.1847,

■ 0.0000, 0.0000,

199.3979, 290.7329

0.5942

207.9173,
243.2391, 348.3680

■ 0.0000, 0.0000,
0.0000

■ 21.4122, 28.1278,
52.4448

■ 21.4122, 28.1278,
52.4448

■ 21.4113, 28.1260,
52.4451

■ 22.2157, 29.3376,
52.6365

■ 23.2909, 30.7070,
52.8442

■ 24.7327, 32.2854,
53.0728

■ 26.5884, 34.0975,
53.3248

■ 28.8982, 36.1640,
53.6019

■ 31.6972, 38.5032,
53.9059

■ 35.0172, 41.1316,
54.2383

■ 38.8872, 44.0644,
54.6004

■ 43.3338, 47.3153,
54.9935

Harmonies

Analogous

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



19.4216, 28.1278, 38.6780



21.4122, 28.1278, 52.4448



24.9706, 28.1278, 61.1520

Triad

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



21.4122, 28.1278, 52.4448



35.9433, 28.1278, 36.0897



24.2220, 28.1278, 12.7856

Complementary

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



21.4122, 28.1278, 52.4448



21.4779, 11.8013, 1.1471

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.



28.5798, 28.1278, 12.4494



21.4122, 28.1278, 52.4448



35.6856, 28.1278, 23.7777

Square

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



21.4122, 28.1278, 52.4448



33.5426, 28.1278, 50.1055



32.8732, 28.1278, 15.8946



20.9164, 28.1278, 16.9904

Rectangle

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



21.4122, 28.1278, 52.4448



27.9001, 28.1278, 61.6782



32.8732, 28.1278, 15.8946



25.6021, 28.1278, 12.2687

Sweetspot

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



21.4131, 28.1288, 52.4455



62.3927, 73.4162, 97.1085



18.4126, 36.4816, 7.1943



12.8574, 15.3495, 20.8277



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.4131, 28.1288, 52.4455



38.1961, 50.0707, 93.8777



11.1447, 7.5918, 49.0227



9.6717, 10.5358, 12.1961



14.4536, 19.0188, 35.3021



0.6022, 0.8171, 1.3948

Inverse Universe

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



27.1587, 13.2886, 33.4821



48.5624, 23.7669, 59.5576



28.0531, 24.9518, 3.3389



9.8609, 9.6687, 11.6566



18.2963, 8.9497, 22.6515



0.7349, 0.3579, 0.9832

Previews

White Background



This preview shows how the XYZ color 21.4122, 28.1278, 52.4448 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 21.4122, 28.1278, 52.4448 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

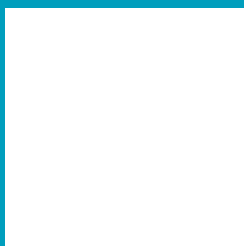
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4122, 28.1278, 52.4448

Background



This preview shows how black text looks on a background with the XYZ color 21.4122, 28.1278, 52.4448.

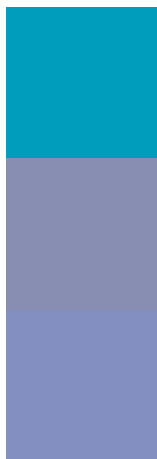


This preview shows how white text looks on a background with the XYZ color 21.4122, 28.1278,

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

21.4122, 28.1278, 52.4448

Protanopia

27.7006, 27.7113, 46.0083

Deuteranopia

28.6587, 28.0216, 54.3503

Trichromacy



Original Color

21.4122, 28.1278, 52.4448

Protanomaly

22.8712, 26.5356, 48.1724

Deuteranomaly

23.6716, 26.8246, 53.7992

Monochromacy



Original Color

21.4122, 28.1278, 52.4448

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.5380, 19.3048, 28.1066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4122, 28.1278, 52.4448 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, 158, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 189)  
}
```

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, 158, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 189) }
```

Border

The CSS property to change the border of an element to XYZ 21.4122, 28.1278, 52.4448 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, 158, 189) }
```

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

```
.border{ border-color:rgb(0, 158, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
189) }
```


Background

The CSS property to change the background color of an element to XYZ 21.4122, 28.1278, 52.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 189) }
```

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

```
.background{ background-color: rgb(0, 158,  
189) }
```

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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