

Converting Colors

XYZ(10.1226, 22.8073, 49.6025)

Have a look what the booklet for
XYZ(10.1226, 22.8073, 49.6025)
contains.

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Color

**XYZ(21.3278, 28.6444,
50.3038)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0B9
RGB	0, 160, 185
RGB Percent	0%, 63%, 73%
CMY	0.9998, 0.3725, 0.2745
CMYK	1.00, 0.14, 0.00, 0.27
HSL	188°, 100%, 36%
HSV	188°, 100%, 73%
XYZ	21.3278, 28.6444, 50.3038
YIQ	115.0100, -103.3850, -26.1450

Conversions

Conversions Part 2

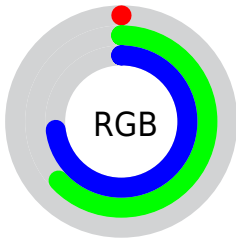
Format	Color
RYB	0, 86, 185
Decimal	41145
CIELab	60.47, -25.76, -22.77
CIELCh	60, 34.384, 221.477
Yxy	28.6444, 0.2127, 0.2857
Android (android.graphics.Color)	4278231225 (0xFF00A0B9)
YUV	115.0100, 34.5051, -100.8638
Hunter-Lab	53.5205, -22.5289, -18.2623

Details

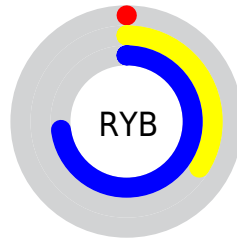
The XYZ color **21.3278, 28.6444, 50.3038** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.3565, 11.0114, 1.0537**, and the grayscale version is **16.2239, 17.0688, 18.5879**.

A 20% lighter version of the original color is **45.1074, 57.4931, 91.9390**, and **9.5274, 12.3911, 23.7194** is the 20% darker color. If you saturate the color by 10%, you get **21.3273, 28.6433, 50.3042**, and if you desaturate by 10%, it is **22.0258, 29.6548, 50.4626**.

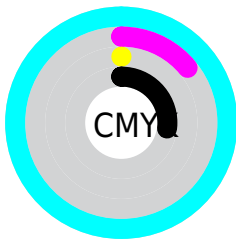
Distribution



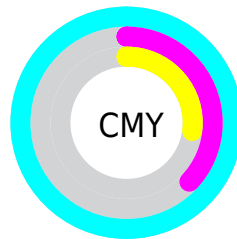
- Red (0%)
- Green (63%)
- Blue (73%)



- Red (0%)
- Yellow (34%)
- Blue (73%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (37%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.3278, 28.6444, 50.3038 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 21.3278, 28.6444, 50.3038 by changing the saturation by 10% instead.

■ 21.3278, 28.6444,
50.3038

■ 21.3278, 28.6444,
50.3038

■ 251.7143,
295.5334, 404.6219

■ 13.4776, 18.8120,
35.2820

■ 45.1196, 57.5116,
92.0258

■ 7.8375, 11.5345,
23.5949

■ 61.7920, 77.3152,
119.5630

■ 4.0421, 6.4276,
14.8240

■ 82.1359, 101.2113,
152.1091

■ 1.7260, 3.1068,
8.5507

■ 106.5165,
129.5844, 190.0827

■ 0.4724, 1.1877,
4.3565

■ 135.2993,
162.8187, 233.9022

■ 0.0000, 0.0516,
1.8229

■ 168.8497,

■ 0.0000, 0.0000,

201.2987, 283.9862

0.4430

207.5329,
245.4088, 340.7532

■ 0.0000, 0.0000,
0.0000

■ 21.3278, 28.6444,
50.3038

■ 21.3278, 28.6444,
50.3038

■ 21.3273, 28.6433,
50.3042

■ 22.0258, 29.6548,
50.4626

■ 22.9771, 30.8082,
50.6351

■ 24.2735, 32.1527,
50.8263

■ 25.9597, 33.7112,
51.0382

■ 28.0736, 35.5035,
51.2727

■ 30.6487, 37.5468,
51.5314

■ 33.7148, 39.8567,
51.8157

■ 37.2996, 42.4473,
52.1268

■ 41.4284, 45.3320,
52.4660

Harmonies

Analogous

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



19.7000, 28.6444, 36.3009



21.3278, 28.6444, 50.3038



24.6075, 28.6444, 60.5209

Triad

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



21.3278, 28.6444, 50.3038



36.1304, 28.6444, 39.6010



25.5651, 28.6444, 12.8659

Complementary

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



21.3278, 28.6444, 50.3038



20.3565, 11.0114, 1.0537

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.



30.0232, 28.6444, 13.3008



21.3278, 28.6444, 50.3038



36.4587, 28.6444, 26.5809

Square

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



21.3278, 28.6444, 50.3038



33.2680, 28.6444, 53.2767



34.1214, 28.6444, 17.6576



21.9632, 28.6444, 16.2459

Rectangle

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



21.3278, 28.6444, 50.3038



27.4459, 28.6444, 62.4959



34.1214, 28.6444, 17.6576



27.0065, 28.6444, 12.6018

Sweetspot

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



21.3287, 28.6454, 50.3045



60.0789, 71.1582, 92.7730



17.5220, 34.7675, 6.6902



12.4372, 14.9567, 19.9530



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



21.3287, 28.6454, 50.3045



38.0698, 51.0458, 90.0510



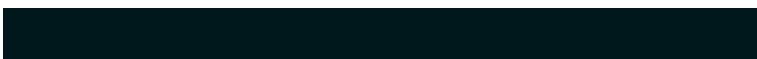
10.8162, 7.6203, 46.8003



9.1604, 9.9980, 11.5264



14.5607, 19.5811, 34.2652



0.5422, 0.7481, 1.2176

Inverse Universe

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



26.3536, 12.8534, 34.3506



47.1329, 22.9926, 61.1794



26.3906, 23.0796, 3.0650



9.3273, 9.1413, 11.0710



17.9632, 8.7591, 23.4910



0.6478, 0.3146, 0.9049

Previews

White Background



This preview shows how the XYZ color 21.3278, 28.6444, 50.3038 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 21.3278, 28.6444, 50.3038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

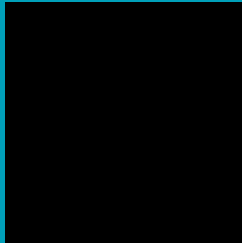
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.3278, 28.6444, 50.3038

Background



This preview shows how black text looks on a background with the XYZ color 21.3278, 28.6444, 50.3038.

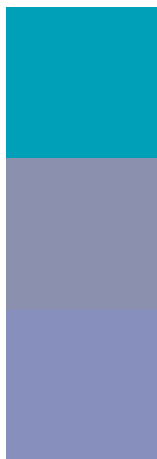


This preview shows how white text looks on a background with the XYZ color 21.3278, 28.6444,

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

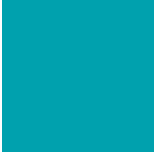
21.3278, 28.6444, 50.3038

Protanopia

28.2607, 28.4915, 44.0543

Deuteranopia

28.9994, 28.4699, 52.1109



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



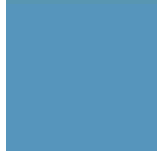
Original Color

21.3278, 28.6444, 50.3038



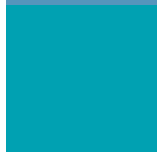
Protanomaly

22.9667, 27.1018, 46.1402



Deuteranomaly

23.6623, 27.1042, 51.5614



Tritanomaly

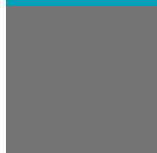
20.7808, 28.7041, 46.5647

Monochromacy



Original Color

21.3278, 28.6444, 50.3038



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.5976, 19.5425, 27.7609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3278, 28.6444, 50.3038 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, 160, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 185)  
}
```

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, 160, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 185) }
```

Border

The CSS property to change the border of an element to XYZ 21.3278, 28.6444, 50.3038 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, 160, 185) }
```


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

```
.border{ border-color:rgb(0, 160, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3278, 28.6444, 50.3038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 185) }
```

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

```
.background{ background-color: rgb(0, 160,  
185) }
```

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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