

Converting Colors

XYZ(6.4713, 21.4667, 51.0636)

Have a look what the booklet for
XYZ(6.4713, 21.4667, 51.0636)
contains.

XYZ(21.8900, 29.4285, 51.5403)	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>	31

Color

**XYZ(21.8900, 29.4285,
51.5403)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2BB
RGB	0, 162, 187
RGB Percent	0%, 64%, 73%
CMY	0.9998, 0.3647, 0.2667
CMYK	1.00, 0.13, 0.00, 0.27
HSL	188°, 100%, 37%
HSV	188°, 100%, 73%
XYZ	21.8900, 29.4285, 51.5403
YIQ	116.4120, -104.5770, -26.5690

Conversions

Conversions Part 2

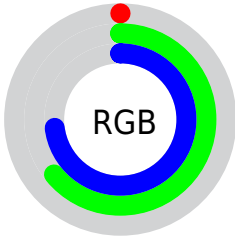
Format	Color
RYB	0, 87, 187
Decimal	41659
CIELab	61.16, -26.09, -22.84
CIELCh	61, 34.677, 221.192
Yxy	29.4285, 0.2128, 0.2861
Android (android.graphics.Color)	4278231739 (0xFF00A2BB)
YUV	116.4120, 34.7999, -102.0933
Hunter-Lab	54.2480, -22.9063, -18.3570

Details

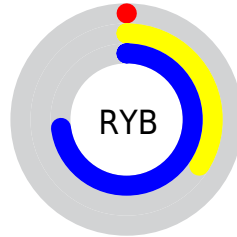
The XYZ color **21.8900, 29.4285, 51.5403** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **20.8425, 11.2620, 1.0764**, and the grayscale version is **16.6504, 17.5176, 19.0766**.

A 20% lighter version of the original color is **46.0275, 58.6934, 93.6971**, and **9.8790, 12.8731, 24.5183** is the 20% darker color. If you saturate the color by 10%, you get **21.8895, 29.4273, 51.5407**, and if you desaturate by 10%, it is **22.5989, 30.4549, 51.7016**.

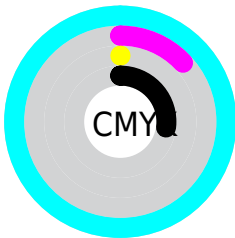
Distribution



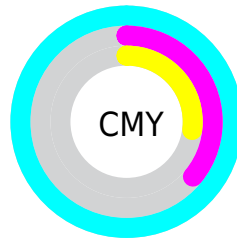
- Red (0%)
- Green (64%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (36%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8900, 29.4285, 51.5403 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 21.8900, 29.4285, 51.5403 by changing the saturation by 10% instead.

■ 21.8900, 29.4285,
51.5403

■ 21.8900, 29.4285,
51.5403

■ 254.6145,
299.2314, 409.5657

■ 13.8922, 19.4052,
36.2591

■ 46.0443, 58.7572,
93.8726

■ 8.1270, 11.9634,
24.3431

■ 62.9316, 78.8314,
121.7607

■ 4.2288, 6.7188,
15.3738

■ 83.5128, 103.0247,
154.6883

■ 1.8324, 3.2869,
8.9326

■ 108.1532,
131.7215, 193.0737

■ 0.5371, 1.2833,
4.6010

■ 137.2182,
165.3062, 237.3357

■ 0.0000, 0.1282,
1.9605

■ 171.0732,

■ 0.0000, 0.0000,

204.1631, 287.8926

0.5308

210.0835,
248.6767, 345.1631

■ 0.0000, 0.0000,
0.0000

■ 21.8900, 29.4285,
51.5403

■ 21.8900, 29.4285,
51.5403

■ 21.8895, 29.4273,
51.5407

■ 22.5989, 30.4549,
51.7016

■ 23.5679, 31.6279,
51.8770

■ 24.8904, 32.9964,
52.0714

■ 26.6123, 34.5839,
52.2871

■ 28.7727, 36.4108,
52.5258

■ 31.4058, 38.4947,
52.7893

■ 34.5424, 40.8517,
53.0789

■ 38.2108, 43.4963,
53.3960

■ 42.4370, 46.4420,
53.7419

Harmonies

Analogous

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



20.2359, 29.4285, 37.1564



21.8900, 29.4285, 51.5403



25.2439, 29.4285, 62.0965

Triad

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



21.8900, 29.4285, 51.5403



37.0975, 29.4285, 40.8191



26.3068, 29.4285, 13.2115

Complementary

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



21.8900, 29.4285, 51.5403



20.8425, 11.2620, 1.0764

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.



30.8876, 29.4285, 13.6944



21.8900, 29.4285, 51.5403



37.4618, 29.4285, 27.4210

Square

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



21.8900, 29.4285, 51.5403



34.1379, 29.4285, 54.8393



35.0850, 29.4285, 18.2110



22.5953, 29.4285, 16.6435

Rectangle

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



21.8900, 29.4285, 51.5403



28.1533, 29.4285, 64.1909



35.0850, 29.4285, 18.2110



27.7893, 29.4285, 12.9522

Sweetspot

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



21.8910, 29.4295, 51.5410



61.5571, 72.9380, 95.0354



17.9462, 35.6114, 6.8458



13.0113, 15.6572, 20.8789



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.



21.8910, 29.4295, 51.5410



39.0761, 52.4489, 92.2655



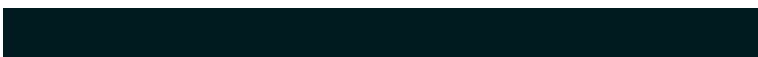
11.0735, 7.7945, 47.9352



9.6968, 10.5860, 12.2044



15.1201, 20.3520, 35.5243



0.6228, 0.8583, 1.4017

Inverse Universe

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



27.0160, 13.1745, 35.3024



48.3190, 23.5676, 62.8823



27.0255, 23.6279, 3.1374



9.8736, 9.6737, 11.7233



18.6327, 9.0842, 24.4232



0.7453, 0.3620, 1.0379

Previews

White Background



This preview shows how the XYZ color 21.8900, 29.4285, 51.5403 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 21.8900, 29.4285, 51.5403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

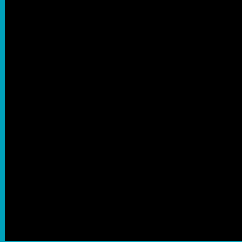
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8900, 29.4285, 51.5403

Background



This preview shows how black text looks on a background with the XYZ color 21.8900, 29.4285, 51.5403.

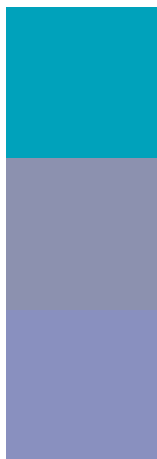


This preview shows how white text looks on a background with the XYZ color 21.8900, 29.4285,

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

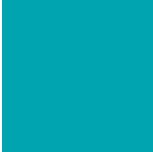
21.8900, 29.4285, 51.5403

Protanopia

28.6785, 28.9214, 44.6283

Deuteranopia

29.6938, 29.0265, 53.3279



Tritanopia

20.9337, 29.3290, 45.6320

Trichromacy



Original Color

21.8900, 29.4285, 51.5403

Protanomaly

23.3231, 27.5117, 46.7289

Deuteranomaly

24.2914, 27.8772, 52.8157

Tritanomaly

21.3354, 29.4897, 47.7476

Monochromacy



Original Color

21.8900, 29.4285, 51.5403

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0941, 20.1839, 28.6388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8900, 29.4285, 51.5403 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, 162, 187)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 187)  
}
```

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, 162, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 187) }
```

Border

The CSS property to change the border of an element to XYZ 21.8900, 29.4285, 51.5403 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, 162, 187) }
```


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

```
.border{ border-color:rgb(0, 162, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 162, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 162, 187); box-shadow:4px 4px 4px 4px rgb(0, 162, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8900, 29.4285, 51.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 187) }
```

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

```
.background{ background-color: rgb(0, 162,  
187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor