

Converting Colors

XYZ(16.6545, 28.1234, 52.0057)

Have a look what the booklet for
XYZ(16.6545, 28.1234, 52.0057)
contains.

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Color

**XYZ(22.8958, 31.2683,
52.4056)**

Conversions

Conversions Part 1

Format	Color
Hex	00A7BC
RGB	0, 167, 188
RGB Percent	0%, 65%, 74%
CMY	0.9999, 0.3451, 0.2627
CMYK	1.00, 0.11, 0.00, 0.26
HSL	187°, 100%, 37%
HSV	187°, 100%, 74%
XYZ	22.8958, 31.2683, 52.4056
YIQ	119.4610, -106.2730, -28.8730

Conversions

Conversions Part 2

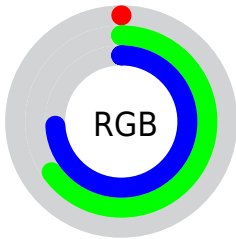
Format	Color
RYB	0, 88, 188
Decimal	42940
CIELab	62.73, -28.26, -20.99
CIELCh	63, 35.203, 216.600
Yxy	31.2683, 0.2148, 0.2934
Android (android.graphics.Color)	4278233020 (0xFF00A7BC)
YUV	119.4610, 33.7897, -104.7673
Hunter-Lab	55.9181, -24.7693, -16.4231

Details

The XYZ color **22.8958, 31.2683, 52.4056** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.0083, 11.2292, 1.0612**, and the grayscale version is **17.6047, 18.5215, 20.1699**.

A 20% lighter version of the original color is **47.4874, 61.3709, 94.9309**, and **10.5039, 14.0107, 25.0724** is the 20% darker color. If you saturate the color by 10%, you get **22.8957, 31.2678, 52.4061**, and if you desaturate by 10%, it is **23.5496, 32.1818, 52.5481**.

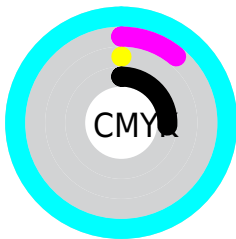
Distribution



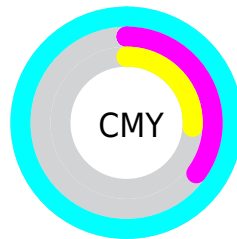
- Red (0%)
- Green (65%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8958, 31.2683, 52.4056 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 22.8958, 31.2683, 52.4056 by changing the saturation by 10% instead.

■ 22.8958, 31.2683,
52.4056

■ 22.8958, 31.2683,
52.4056

259.7347,
307.7725, 413.0019

■ 14.6369, 20.8032,
36.9440

■ 47.6901, 61.6622,
95.1618

■ 8.6496, 12.9803,
24.8687

■ 64.9562, 82.3599,
123.2935

■ 4.5686, 7.4149,
15.7611

■ 85.9553, 107.2372,
156.4856

■ 2.0286, 3.7229,
9.2028

■ 111.0529,
136.6786, 195.1567

■ 0.6499, 1.5198,
4.7751

■ 140.6142,
171.0684, 239.7254

■ 0.0000, 0.3026,
2.0595

175.0048,

■ 0.0000, 0.0000,

210.7911, 290.6101

0.5915

214.5898,
256.2310, 348.2294

■ 0.0000, 0.0000,
0.0000

■ 22.8958, 31.2683,
52.4056

■ 22.8958, 31.2683,
52.4056

■ 22.8957, 31.2678,
52.4061

■ 23.5496, 32.1818,
52.5481

■ 24.4644, 33.2386,
52.7038

■ 25.7343, 34.4878,
52.8780

■ 27.4059, 35.9535,
53.0728

■ 29.5188, 37.6561,
53.2901

■ 32.1076, 39.6135,
53.5315

■ 35.2035, 41.8420,
53.7984

■ 38.8352, 44.3562,
54.0923

■ 43.0289, 47.1697,
54.4144

Harmonies

Analogous

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



21.4465, 31.2683, 37.1817



22.8958, 31.2683, 52.4056



26.1957, 31.2683, 64.5989

Triad

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



22.8958, 31.2683, 52.4056



39.0412, 31.2683, 45.6860



28.6693, 31.2683, 13.9303

Complementary

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



22.8958, 31.2683, 52.4056



21.0083, 11.2292, 1.0612

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.



33.5461, 31.2683, 15.0637



22.8958, 31.2683, 52.4056



39.8861, 31.2683, 31.0915

Square

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



22.8958, 31.2683, 52.4056



35.5818, 31.2683, 60.0448



37.7800, 31.2683, 20.5696



24.5394, 31.2683, 16.9013

Rectangle

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



22.8958, 31.2683, 52.4056



29.1744, 31.2683, 67.9218



37.7800, 31.2683, 20.5696



30.2715, 31.2683, 13.8594

Sweetspot

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



22.8968, 31.2694, 52.4064



63.4913, 75.6132, 97.4747



18.1000, 36.0136, 6.6059



13.1242, 15.8831, 20.9166



90.7827, 95.5105, 104.0109



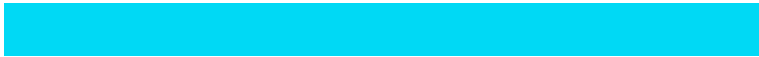
18.6292, 19.5994, 21.3438

Same Dimension

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



22.8968, 31.2694, 52.4064



41.3805, 56.4395, 94.9391



11.6088, 8.6934, 48.6437



9.7151, 10.6225, 12.2105



15.6224, 21.3564, 35.6917



0.6382, 0.8890, 1.4068

Inverse Universe

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



27.7150, 13.4824, 37.7020



50.1697, 24.4098, 68.0217



26.6240, 22.4605, 2.9331



9.8828, 9.6774, 11.7718



18.8862, 9.1856, 25.7581



0.7530, 0.3651, 1.0787

Previews

White Background



This preview shows how the XYZ color 22.8958, 31.2683, 52.4056 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.8958, 31.2683, 52.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

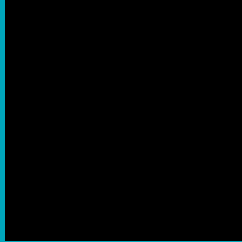
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.8958, 31.2683, 52.4056

Background



This preview shows how black text looks on a background with the XYZ color 22.8958, 31.2683, 52.4056.



This preview shows how white text looks on a background with the XYZ color 22.8958, 31.2683,

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

22.8958, 31.2683, 52.4056

Protanopia

30.5969, 31.0583, 45.4565

Deuteranopia

31.6059, 30.9149, 54.1705



Tritanopia

22.3431, 31.3415, 48.5880

Trichromacy



Original Color

22.8958, 31.2683, 52.4056



Protanomaly

24.6409, 29.3994, 47.5560



Deuteranomaly

25.5389, 29.4796, 53.6343



Tritanomaly

22.6544, 31.4660, 50.2269

Monochromacy



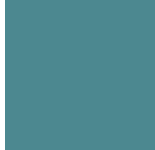
Original Color

22.8958, 31.2683, 52.4056



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.8187, 21.1584, 29.5831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8958, 31.2683, 52.4056 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, 167, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 188)  
}
```

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, 167, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 188) }
```

Border

The CSS property to change the border of an element to XYZ 22.8958, 31.2683, 52.4056 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, 167, 188) }
```


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

```
.border{ border-color:rgb(0, 167, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8958, 31.2683, 52.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 188) }
```

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

```
.background{ background-color: rgb(0, 167,  
188) }
```

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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