

Converting Colors

XYZ(18.3249, 27.7463, 52.8757)

Have a look what the booklet for
XYZ(18.3249, 27.7463, 52.8757)
contains.

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Color

**XYZ(22.3915, 29.9121,
53.3087)**

Conversions

Conversions Part 1

Format	Color
Hex	00A3BE
RGB	0, 163, 190
RGB Percent	0%, 64%, 75%
CMY	0.9998, 0.3608, 0.2549
CMYK	1.00, 0.14, 0.00, 0.25
HSL	189°, 100%, 37%
HSV	189°, 100%, 75%
XYZ	22.3915, 29.9121, 53.3087
YIQ	117.3410, -105.8150, -26.1590

Conversions

Conversions Part 2

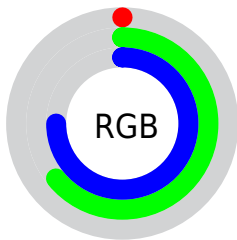
Format	Color
RYB	0, 88, 190
Decimal	41918
CIELab	61.58, -25.58, -23.88
CIELCh	62, 34.994, 223.022
Yxy	29.9121, 0.2120, 0.2832
Android (android.graphics.Color)	4278231998 (0xFF00A3BE)
YUV	117.3410, 35.8209, -102.9081
Hunter-Lab	54.6920, -22.6310, -19.5061

Details

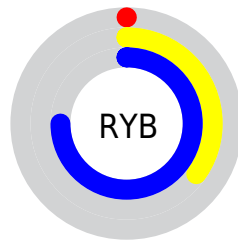
The XYZ color **22.3915, 29.9121, 53.3087** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.6286, 11.7332, 1.1260**, and the grayscale version is **16.9344, 17.8163, 19.4019**.

A 20% lighter version of the original color is **46.7430, 59.3933, 96.1892**, and **10.1998, 13.1750, 25.6724** is the 20% darker color. If you saturate the color by 10%, you get **22.3909, 29.9107, 53.3091**, and if you desaturate by 10%, it is **23.1460, 31.0211, 53.4836**.

Distribution



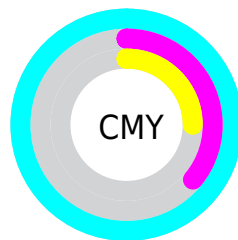
- Red (0%)
- Green (64%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3915, 29.9121, 53.3087 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 22.3915, 29.9121, 53.3087 by changing the saturation by 10% instead.

■ 22.3915, 29.9121,
53.3087

■ 22.3915, 29.9121,
53.3087

257.1781,
301.4945, 416.5682

■ 14.2631, 19.7719,
37.6598

■ 46.8663, 59.5231,
96.5046

■ 8.3868, 12.2293,
25.4190

■ 63.9433, 79.7628,
124.8887

■ 4.3973, 6.9001,
16.1677

■ 84.7339, 104.1376,
158.3551

■ 1.9293, 3.3997,
9.4872

■ 109.6035,
133.0321, 197.3221

■ 0.5938, 1.3438,
4.9592

■ 138.9173,
166.8307, 242.2084

■ 0.0000, 0.1747,
2.1650

173.0408,

■ 0.0000, 0.0000,

205.9177, 293.4325

0.6541

212.3393,
250.6775, 351.4129

■ 0.0000, 0.0000,
0.0000

■ 22.3915, 29.9121,
53.3087

■ 22.3915, 29.9121,
53.3087

■ 22.3909, 29.9107,
53.3091

■ 23.1460, 31.0211,
53.4836

■ 24.1725, 32.2850,
53.6734

■ 25.5667, 33.7539,
53.8835

■ 27.3765, 35.4525,
54.1159

■ 29.6427, 37.4019,
54.3728

■ 32.4007, 39.6206,
54.6557

■ 35.6828, 42.1251,
54.9661

■ 39.5181, 44.9307,
55.3055

■ 43.9340, 48.0515,
55.6751

Harmonies

Analogous

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



20.5908, 29.9121, 38.6754



22.3915, 29.9121, 53.3087



25.9030, 29.9121, 63.6459

Triad

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



22.3915, 29.9121, 53.3087



37.8503, 29.9121, 40.6184



26.4664, 29.9121, 13.4727

Complementary

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



22.3915, 29.9121, 53.3087



21.6286, 11.7332, 1.1260

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.



31.1174, 29.9121, 13.7278



22.3915, 29.9121, 53.3087



38.0436, 29.9121, 27.1421

Square

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



22.3915, 29.9121, 53.3087



34.9656, 29.9121, 55.0606



35.4681, 29.9121, 18.0562



22.7651, 29.9121, 17.2271

Rectangle

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



22.3915, 29.9121, 53.3087



28.9037, 29.9121, 65.3466



35.4681, 29.9121, 18.0562



27.9626, 29.9121, 13.1304

Sweetspot

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



22.3925, 29.9132, 53.3094



64.3355, 76.0923, 99.5756



18.5937, 36.8995, 7.0831



13.5482, 16.2718, 21.8120



92.9021, 97.7402, 106.4391



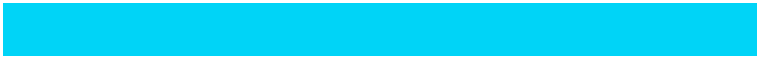
19.4759, 20.4902, 22.3138

Same Dimension

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



22.3925, 29.9132, 53.3094



40.4346, 53.9210, 96.5558



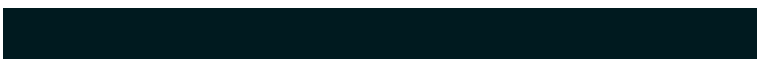
11.4660, 8.0602, 49.6673



9.6899, 10.5720, 12.2021



14.9322, 19.9761, 35.4617



0.6171, 0.8468, 1.3998

Inverse Universe

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



27.8470, 13.5926, 35.8073



50.3895, 24.6011, 64.5083



27.9943, 24.4646, 3.2479



9.8701, 9.6723, 11.7048



18.5378, 9.0463, 23.9236



0.7424, 0.3608, 1.0226

Previews

White Background



This preview shows how the XYZ color 22.3915, 29.9121, 53.3087 looks on a white background.

Color Contrast Check

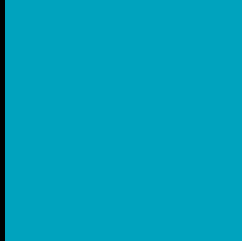
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3915, 29.9121, 53.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

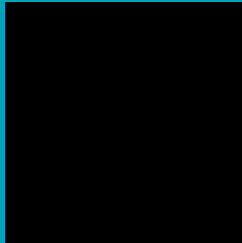
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.3915, 29.9121, 53.3087

Background



This preview shows how black text looks on a background with the XYZ color 22.3915, 29.9121, 53.3087.

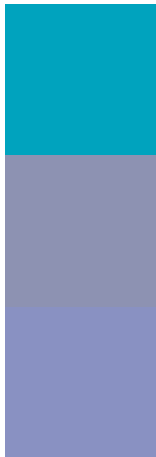


This preview shows how white text looks on a background with the XYZ color 22.3915, 29.9121,

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

22.3915, 29.9121, 53.3087

Protanopia

29.2993, 29.4348, 46.2567

Deuteranopia

30.1795, 29.4642, 55.1355



Tritanopia

21.3113, 29.7653, 46.7415

Trichromacy



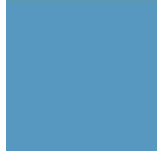
Original Color

22.3915, 29.9121, 53.3087



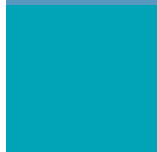
Protanomaly

23.8882, 28.0075, 48.4029



Deuteranomaly

24.7844, 28.3330, 54.6146



Tritanomaly

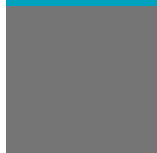
21.7190, 29.9283, 48.8880

Monochromacy



Original Color

22.3915, 29.9121, 53.3087



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.3832, 20.5197, 29.4828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3915, 29.9121, 53.3087 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, 163, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 190)  
}
```

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, 163, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 190) }
```

Border

The CSS property to change the border of an element to XYZ 22.3915, 29.9121, 53.3087 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, 163, 190) }
```


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

```
.border{ border-color:rgb(0, 163, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3915, 29.9121, 53.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 190) }
```

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

```
.background{ background-color: rgb(0, 163,  
190) }
```

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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