

Converting Colors

XYZ(15.5102, 25.6818, 56.8163)

Have a look what the booklet for
XYZ(15.5102, 25.6818, 56.8163)
contains.

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Color

**XYZ(22.8229, 29.5210,
57.3185)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1C5
RGB	0, 161, 197
RGB Percent	0%, 63%, 77%
CMY	0.9998, 0.3686, 0.2274
CMYK	1.00, 0.18, 0.00, 0.23
HSL	191°, 100%, 39%
HSV	191°, 100%, 77%
XYZ	22.8229, 29.5210, 57.3185
YIQ	116.9650, -107.5120, -22.9360

Conversions

Conversions Part 2

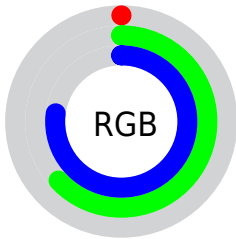
Format	Color
RYB	0, 89, 197
Decimal	41413
CIELab	61.24, -22.15, -28.32
CIELCh	61, 35.952, 231.969
Yxy	29.5210, 0.2081, 0.2692
Android (android.graphics.Color)	4278231493 (0xFF00A1C5)
YUV	116.9650, 39.4573, -102.5783
Hunter-Lab	54.3332, -20.1035, -24.5144

Details

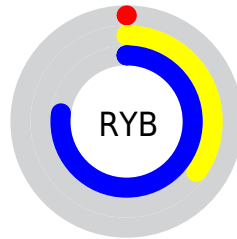
The XYZ color **22.8229, 29.5210, 57.3185** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.6584, 13.1346, 1.2894**, and the grayscale version is **16.8073, 17.6826, 19.2563**.

A 20% lighter version of the original color is **47.5908, 58.9201, 102.6304**, and **10.4266, 12.9204, 27.9310** is the 20% darker color. If you saturate the color by 10%, you get **22.8221, 29.5192, 57.3188**, and if you desaturate by 10%, it is **23.7450, 30.9445, 57.5452**.

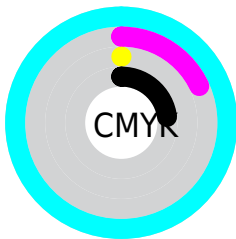
Distribution



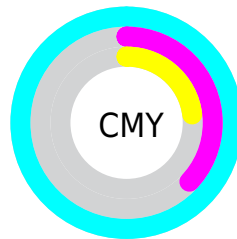
- Red (0%)
- Green (63%)
- Blue (77%)



- Red (0%)
- Yellow (35%)
- Blue (77%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (37%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8229, 29.5210, 57.3185 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 22.8229, 29.5210, 57.3185 by changing the saturation by 10% instead.

■ 22.8229, 29.5210,
57.3185

■ 22.8229, 29.5210,
57.3185

259.3664,
299.6653, 432.1688

■ 14.5828, 19.4753,
40.8499

■ 47.5712, 58.9038,
102.4347

■ 8.6115, 12.0142,
27.8830

■ 64.8100, 79.0098,
131.9195

■ 4.5437, 6.7534,
17.9992

■ 85.7791, 103.2379,
166.5800

■ 2.0141, 3.3083,
10.7800

■ 110.8439,
131.9726, 206.8349

■ 0.6419, 1.2947,
5.8068

■ 140.3697,
165.5983, 253.1027

■ 0.0000, 0.1371,
2.6611

174.7218,

■ 0.0000, 0.0000,

204.4994, 305.8019

0.9237

214.2656,
249.0603, 365.3511

■ 0.0000, 0.0000,
0.0000

■ 22.8229, 29.5210,
57.3185

■ 22.8229, 29.5210,
57.3185

■ 22.8221, 29.5192,
57.3188

■ 23.7450, 30.9445,
57.5452

■ 24.9718, 32.5517,
57.7908

■ 26.6053, 34.3958,
58.0607

■ 28.6981, 36.5044,
58.3574

■ 31.2948, 38.9004,
58.6830

■ 34.4343, 41.6042,
59.0394

■ 38.1519, 44.6343,
59.4283

■ 42.4797, 48.0073,
59.8513

■ 47.4475, 51.7388,
60.3097

Harmonies

Analogous

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



20.4449, 29.5210, 42.8991



22.8229, 29.5210, 57.3185



26.8079, 29.5210, 65.4260

Triad

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



22.8229, 29.5210, 57.3185



38.0564, 29.5210, 35.9194



24.7938, 29.5210, 13.5407

Complementary

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



22.8229, 29.5210, 57.3185



23.6584, 13.1346, 1.2894

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.



29.3481, 29.5210, 12.6425



22.8229, 29.5210, 57.3185



37.3612, 29.5210, 23.3548

Square

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



22.8229, 29.5210, 57.3185



35.8451, 29.5210, 50.9976



34.0399, 29.5210, 15.6891



21.4906, 29.5210, 18.6244

Rectangle

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



22.8229, 29.5210, 57.3185



29.9864, 29.5210, 64.9284



34.0399, 29.5210, 15.6891



26.2156, 29.5210, 12.8100

Sweetspot

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



22.8239, 29.5220, 57.3192



67.9857, 79.6655, 106.4015



20.2396, 40.0422, 8.0913



13.9185, 16.5414, 22.7092



0.0000, 0.0000, 0.0000



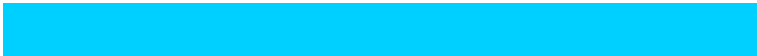
20.3446, 21.4041, 23.3091

Same Dimension

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



22.8239, 29.5220, 57.3192



40.7020, 52.5239, 102.6007



12.0090, 7.8922, 53.7143



10.7755, 11.7251, 13.6127



15.0673, 19.5286, 37.7196



0.7575, 1.0129, 1.8007

Inverse Universe

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



29.4598, 14.4446, 34.9546



52.6737, 25.8335, 62.1388



31.1894, 28.1965, 3.7998



10.9967, 10.7821, 12.9660



19.4046, 9.5114, 23.1384



0.9411, 0.4593, 1.2128

Previews

White Background



This preview shows how the XYZ color 22.8229, 29.5210, 57.3185 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 22.8229, 29.5210, 57.3185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

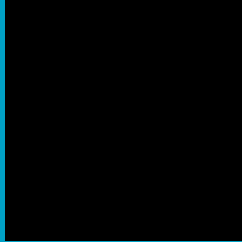
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8229, 29.5210, 57.3185

Background



This preview shows how black text looks on a background with the XYZ color 22.8229, 29.5210, 57.3185.



This preview shows how white text looks on a background with the XYZ color 22.8229, 29.5210,

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

22.8229, 29.5210, 57.3185

Protanopia

29.3049, 29.1143, 50.5295

Deuteranopia

30.0281, 29.2931, 59.3298



Tritanopia

20.9337, 29.3290, 45.6320

Trichromacy



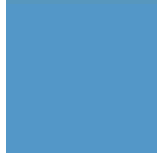
Original Color

22.8229, 29.5210, 57.3185



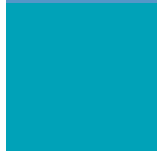
Protanomaly

24.2914, 27.8772, 52.8157



Deuteranomaly

25.0592, 28.1423, 58.7548



Tritanomaly

21.5721, 29.3014, 49.8662

Monochromacy



Original Color

22.8229, 29.5210, 57.3185



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

16.3999, 20.3062, 30.2493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8229, 29.5210, 57.3185 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, 161, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 197)  
}
```

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, 161, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 197) }
```

Border

The CSS property to change the border of an element to XYZ 22.8229, 29.5210, 57.3185 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, 161, 197) }
```


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

```
.border{ border-color:rgb(0, 161, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8229, 29.5210, 57.3185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 197) }
```

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

```
.background{ background-color: rgb(0, 161,  
197) }
```

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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