

Converting Colors

XYZ(11.6955, 23.0458, 59.5082)

Have a look what the booklet for
XYZ(11.6955, 23.0458, 59.5082)
contains.

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Color

**XYZ(22.8875, 28.7180,
60.2139)**

Conversions

Conversions Part 1

Format	Color
Hex	009ECA
RGB	0, 158, 202
RGB Percent	0%, 62%, 79%
CMY	0.9998, 0.3804, 0.2078
CMYK	1.00, 0.22, 0.00, 0.21
HSL	193°, 100%, 40%
HSV	193°, 100%, 79%
XYZ	22.8875, 28.7180, 60.2139
YIQ	115.7740, -108.2920, -19.8120

Conversions

Conversions Part 2

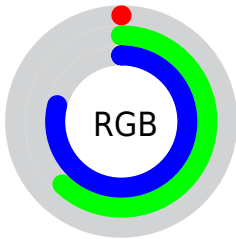
Format	Color
RYB	0, 89, 202
Decimal	40650
CIELab	60.53, -18.81, -32.21
CIELCh	61, 37.301, 239.717
Yxy	28.7180, 0.2047, 0.2568
Android (android.graphics.Color)	4278230730 (0xFF009ECA)
YUV	115.7740, 42.5094, -101.5338
Hunter-Lab	53.5892, -17.5452, -29.1070

Details

The XYZ color **22.8875, 28.7180, 60.2139** 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 **25.2598, 14.3612, 1.4418**, and the grayscale version is **16.4334, 17.2892, 18.8279**.

A 20% lighter version of the original color is **47.0998, 57.5178, 103.2274**, and **10.6030, 12.6535, 29.9005** is the 20% darker color. If you saturate the color by 10%, you get **22.8864, 28.7156, 60.2141**, and if you desaturate by 10%, it is **23.9456, 30.3984, 60.4831**.

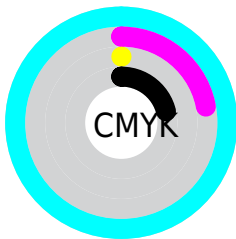
Distribution



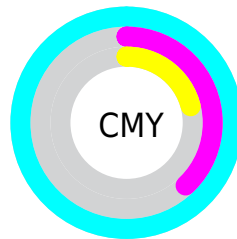
- Red (0%)
- Green (62%)
- Blue (79%)



- Red (0%)
- Yellow (35%)
- Blue (79%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8875, 28.7180, 60.2139 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 22.8875, 28.7180, 60.2139 by changing the saturation by 10% instead.

■ 22.8875, 28.7180,
60.2139

■ 22.8875, 28.7180,
60.2139

259.6928,
295.8821, 443.2123

■ 14.6307, 18.8676,
43.1646

■ 47.6766, 57.6287,
106.6863

■ 8.6452, 11.5746,
29.6820

■ 64.9395, 77.4579,
136.9465

■ 4.5658, 6.4548,
19.3473

■ 85.9352, 101.3820,
172.4475

■ 2.0269, 3.1235,
11.7422

■ 111.0291,
129.7856, 213.6077

■ 0.6490, 1.1966,
6.4480

■ 140.5864,
163.0530, 260.8458

■ 0.0000, 0.0589,
3.0462

174.9726,

■ 0.0000, 0.0000,

201.5686, 314.5802

1.1183

214.5529,
245.7168, 375.2295

■ 0.0000, 0.0000,
0.0000

■ 22.8875, 28.7180,
60.2139

■ 22.8875, 28.7180,
60.2139

■ 22.8864, 28.7156,
60.2141

■ 23.9456, 30.3984,
60.4831

■ 25.3359, 32.2899,
60.7749

■ 27.1648, 34.4482,
61.0951

■ 29.4886, 36.9027,
61.4464

■ 32.3548, 39.6784,
61.8311

■ 35.8051, 42.7970,
62.2512

■ 39.8769, 46.2784,
62.7085

■ 44.6046, 50.1405,
63.2048

■ 50.0199, 54.4000,
63.7416

Harmonies

Analogous

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



20.0178, 28.7180, 46.3428



22.8875, 28.7180, 60.2139



27.2499, 28.7180, 65.9897

Triad

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



22.8875, 28.7180, 60.2139



37.6414, 28.7180, 31.4002



22.9580, 28.7180, 13.4298

Complementary

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



22.8875, 28.7180, 60.2139



25.2598, 14.3612, 1.4418

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.



27.3414, 28.7180, 11.5409



22.8875, 28.7180, 60.2139



36.1529, 28.7180, 19.8796

Square

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



22.8875, 28.7180, 60.2139



36.0977, 28.7180, 46.6384



32.2362, 28.7180, 13.5045



20.0550, 28.7180, 19.7122

Rectangle

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



22.8875, 28.7180, 60.2139



30.5402, 28.7180, 63.4652



32.2362, 28.7180, 13.5045



24.2894, 28.7180, 12.3593

Sweetspot

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



22.8885, 28.7190, 60.2146



67.1968, 78.0878, 106.1385



21.5721, 42.4221, 9.4145



13.7282, 16.1608, 22.6457



0.0000, 0.0000, 0.0000



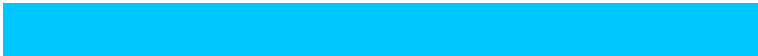
20.3446, 21.4041, 23.3091

Same Dimension

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



22.8885, 28.7190, 60.2146



38.5761, 48.2722, 101.8920



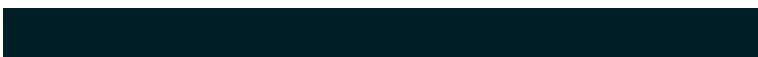
12.1375, 7.2170, 56.6310



11.3278, 12.2961, 14.3467



14.7948, 18.6136, 38.7693



0.8161, 1.0659, 2.0177

Inverse Universe

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



30.5295, 15.0263, 33.6399



51.6006, 25.4043, 56.4883



34.4493, 32.7401, 4.5050



11.5788, 11.3603, 13.5828



19.6786, 9.6820, 21.8241



1.0419, 0.5102, 1.2663

Previews

White Background



This preview shows how the XYZ color 22.8875, 28.7180, 60.2139 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 22.8875, 28.7180, 60.2139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

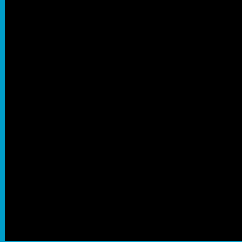
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8875, 28.7180, 60.2139

Background



This preview shows how black text looks on a background with the XYZ color 22.8875, 28.7180, 60.2139.

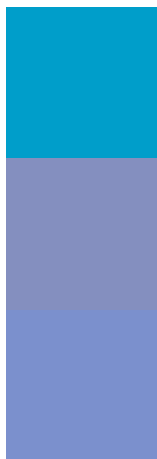


This preview shows how white text looks on a background with the XYZ color 22.8875, 28.7180,

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

22.8875, 28.7180, 60.2139

Protanopia

28.7422, 28.3120, 53.2401

Deuteranopia

29.1611, 28.5652, 61.7343



Tritanopia

20.3849, 28.5457, 44.4799

Trichromacy



Original Color

22.8875, 28.7180, 60.2139

Protanomaly

24.0964, 27.0048, 55.5722

Deuteranomaly

24.7884, 27.4742, 61.1233

Tritanomaly

21.2225, 28.6023, 49.7497

Monochromacy



Original Color

22.8875, 28.7180, 60.2139

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.2068, 19.7950, 30.5704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8875, 28.7180, 60.2139 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, 158, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 202)  
}
```

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, 158, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 202) }
```

Border

The CSS property to change the border of an element to XYZ 22.8875, 28.7180, 60.2139 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, 158, 202) }
```


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

```
.border{ border-color:rgb(0, 158, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8875, 28.7180, 60.2139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 202) }
```

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

```
.background{ background-color: rgb(0, 158,  
202) }
```

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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