

Converting Colors

XYZ(13.0436, 22.6956, 60.4739)

Have a look what the booklet for
XYZ(13.0436, 22.6956, 60.4739)
contains.

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Color

**XYZ(22.3351, 27.4230,
60.6159)**

Conversions

Conversions Part 1

Format	Color
Hex	009ACB
RGB	0, 154, 203
RGB Percent	0%, 60%, 80%
CMY	0.9998, 0.3961, 0.2039
CMYK	1.00, 0.24, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.3351, 27.4230, 60.6159
YIQ	113.5400, -107.5130, -17.4090

Conversions

Conversions Part 2

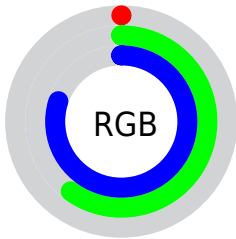
Format	Color
RYB	0, 88, 203
Decimal	39627
CIELab	59.36, -16.30, -34.59
CIELCh	59, 38.237, 244.771
Yxy	27.4230, 0.2024, 0.2485
Android (android.graphics.Color)	4278229707 (0xFF009ACB)
YUV	113.5400, 44.1038, -99.5746
Hunter-Lab	52.3670, -15.5100, -31.9726

Details

The XYZ color **22.3351, 27.4230, 60.6159** 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 **25.7293, 14.8972, 1.5207**, and the grayscale version is **15.7567, 16.5773, 18.0526**.

A 20% lighter version of the original color is **45.8614, 55.0411, 102.8146**, and **10.2751, 11.8704, 30.1834** is the 20% darker color. If you saturate the color by 10%, you get **22.3337, 27.4200, 60.6160**, and if you desaturate by 10%, it is **23.4566, 29.2271, 60.9056**.

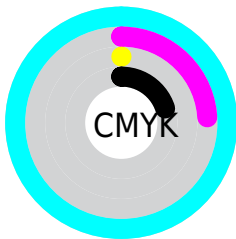
Distribution



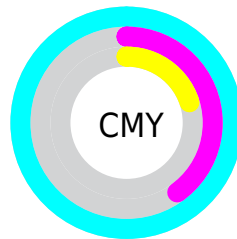
- Red (0%)
- Green (60%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3351, 27.4230, 60.6159 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 22.3351, 27.4230, 60.6159 by changing the saturation by 10% instead.

■ 22.3351, 27.4230,
60.6159

■ 22.3351, 27.4230,
60.6159

256.8909,
289.6994, 444.7318

■ 14.2213, 17.8912,
43.4867

■ 46.7740, 55.5619,
107.2747

■ 8.3575, 10.8719,
29.9330

■ 63.8298, 74.9378,
137.6414

■ 4.3783, 5.9807,
19.5361

■ 84.5969, 98.3637,
173.2577

■ 1.9183, 2.8334,
11.8776

■ 109.4408,
126.2243, 214.5421

■ 0.5874, 1.0454,
6.5388

■ 138.7268,
158.9037, 261.9131

■ 0.0000, 0.0000,
3.1014

172.8202,

■ 0.0000, 0.0000,

196.7864, 315.7894

1.1466

212.0865,
240.2569, 376.5895

■ 0.0000, 0.0000,
0.0000

■ 22.3351, 27.4230,
60.6159

■ 22.3351, 27.4230,
60.6159

■ 22.3337, 27.4200,
60.6160

■ 23.4566, 29.2271,
60.9056

■ 24.9204, 31.2568,
61.2202

■ 26.8339, 33.5685,
61.5656

■ 29.2541, 36.1921,
61.9444

■ 32.2293, 39.1531,
62.3591

■ 35.8017, 42.4737,
62.8118

■ 40.0094, 46.1742,
63.3043

■ 44.8873, 50.2730,
63.8383

■ 50.4674, 54.7871,
64.4155

Harmonies

Analogous

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



19.2115, 27.4230, 47.5563



22.3351, 27.4230, 60.6159



26.8378, 27.4230, 64.5844

Triad

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



22.3351, 27.4230, 60.6159



36.3551, 27.4230, 27.7197



21.1601, 27.4230, 13.0182

Complementary

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



22.3351, 27.4230, 60.6159



25.7293, 14.8972, 1.5207

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.



25.3067, 27.4230, 10.5405



22.3351, 27.4230, 60.6159



34.3801, 27.4230, 17.2076

Square

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



22.3351, 27.4230, 60.6159



35.3091, 27.4230, 42.5629



30.1880, 27.4230, 11.7978



18.5936, 27.4230, 19.9737

Rectangle

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



22.3351, 27.4230, 60.6159



30.1146, 27.4230, 60.7588



30.1880, 27.4230, 11.7978



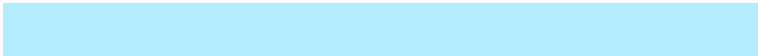
22.3953, 27.4230, 11.7499

Sweetspot

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



22.3361, 27.4239, 60.6166



66.6735, 77.0412, 105.9641



21.8780, 42.9211, 9.8636



13.6022, 15.9088, 22.6037



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.



22.3361, 27.4239, 60.6166



37.2164, 45.5528, 101.4388



12.1072, 6.9661, 57.2070



11.3049, 12.2502, 14.3391



14.2868, 17.5976, 38.5999



0.7936, 1.0210, 2.0102

Inverse Universe

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



30.4622, 15.0308, 31.8683



50.9143, 25.1297, 52.8743



35.3575, 34.1536, 4.7301



11.5673, 11.3556, 13.5217



19.4222, 9.5795, 20.4739



1.0305, 0.5056, 1.2067

Previews

White Background



This preview shows how the XYZ color 22.3351, 27.4230, 60.6159 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 22.3351, 27.4230, 60.6159 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

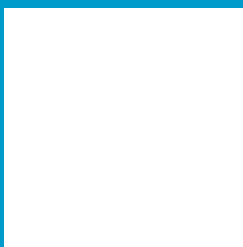
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3351, 27.4230, 60.6159

Background



This preview shows how black text looks on a background with the XYZ color 22.3351, 27.4230, 60.6159.

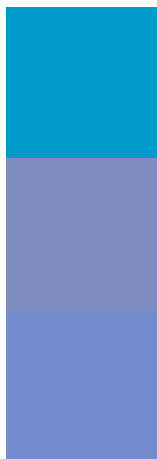


This preview shows how white text looks on a background with the XYZ color 22.3351, 27.4230,

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

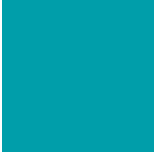
22.3351, 27.4230, 60.6159

Protanopia

27.6449, 27.0740, 53.6379

Deuteranopia

27.8679, 27.2190, 62.1775



Tritanopia

19.4826, 27.3560, 42.2836

Trichromacy



Original Color

22.3351, 27.4230, 60.6159

Protanomaly

23.4825, 25.9857, 56.0026

Deuteranomaly

24.1224, 26.4214, 61.5861

Tritanomaly

20.5005, 27.4913, 48.4818

Monochromacy



Original Color

22.3351, 27.4230, 60.6159

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.7862, 19.1923, 30.0666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3351, 27.4230, 60.6159 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, 154, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 203)  
}
```

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, 154, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 203) }
```

Border

The CSS property to change the border of an element to XYZ 22.3351, 27.4230, 60.6159 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, 154, 203) }
```


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

```
.border{ border-color:rgb(0, 154, 203) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3351, 27.4230, 60.6159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 203) }
```

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

```
.background{ background-color: rgb(0, 154,  
203) }
```

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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