

Converting Colors

XYZ(19.5499, 26.0810, 55.4001)

Have a look what the booklet for
XYZ(19.5499, 26.0810, 55.4001)
contains.

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Color

**XYZ(21.4059, 27.0513,
55.7230)**

Conversions

Conversions Part 1

Format	Color
Hex	009AC3
RGB	0, 154, 195
RGB Percent	0%, 60%, 76%
CMY	0.9998, 0.3961, 0.2353
CMYK	1.00, 0.21, 0.00, 0.24
HSL	193°, 100%, 38%
HSV	193°, 100%, 76%
XYZ	21.4059, 27.0513, 55.7230
YIQ	112.6280, -104.9450, -19.8970

Conversions

Conversions Part 2

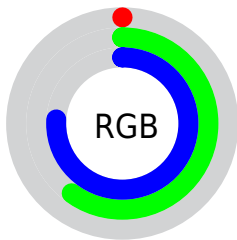
Format	Color
RYB	0, 86, 195
Decimal	39619
CIELab	59.02, -19.16, -30.63
CIElCh	59, 36.129, 237.967
Yxy	27.0513, 0.2055, 0.2597
Android (android.graphics.Color)	4278229699 (0xFF009AC3)
YUV	112.6280, 40.6094, -98.7748
Hunter-Lab	52.0109, -17.5545, -27.1141

Details

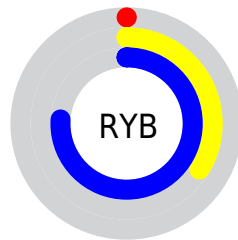
The XYZ color **21.4059, 27.0513, 55.7230** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **23.3004, 13.1909, 1.3192**, and the grayscale version is **15.4958, 16.3028, 17.7538**.

A 20% lighter version of the original color is **45.4082, 55.2259, 100.3619**, and **9.6580, 11.6236, 26.9338** is the 20% darker color. If you saturate the color by 10%, you get **21.4049, 27.0492, 55.7232**, and if you desaturate by 10%, it is **22.3740, 28.5728, 55.9662**.

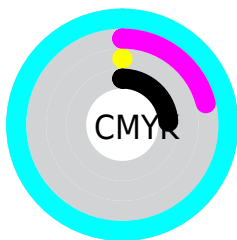
Distribution



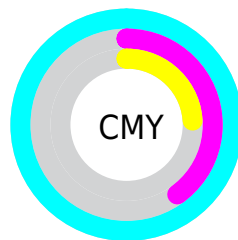
- Red (0%)
- Green (60%)
- Blue (76%)



- Red (0%)
- Yellow (34%)
- Blue (76%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (40%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4059, 27.0513, 55.7230 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 21.4059, 27.0513, 55.7230 by changing the saturation by 10% instead.

■ 21.4059, 27.0513,
55.7230

■ 21.4059, 27.0513,
55.7230

■ 252.1189,
287.9054, 426.0057

■ 13.5352, 17.6118,
39.5784

■ 45.2483, 54.9662,
100.0812

■ 7.8776, 10.6716,
26.8987

■ 61.9507, 74.2103,
129.1319

■ 4.0679, 5.8465,
17.2654

■ 82.3277, 97.4914,
163.3216

■ 1.7406, 2.7520,
10.2599

■ 106.7446,
125.1939, 203.0690

■ 0.4815, 1.0036,
5.4638

■ 135.5668,
157.7021, 248.7926

■ 0.0000, 0.0000,
2.4584

■ 169.1597,

■ 0.0000, 0.0000,

195.4005, 300.9109

0.8180

207.8886,
238.6735, 359.8424

■ 0.0000, 0.0000,
0.0000

■ 21.4059, 27.0513,
55.7230

■ 21.4059, 27.0513,
55.7230

■ 21.4049, 27.0492,
55.7232

■ 22.3740, 28.5728,
55.9662

■ 23.6448, 30.2846,
56.2296

■ 25.3185, 32.2391,
56.5187

■ 27.4464, 34.4631,
56.8358

■ 30.0719, 36.9792,
57.1831

■ 33.2333, 39.8075,
57.5624

■ 36.9650, 42.9661,
57.9754

■ 41.2982, 46.4713,
58.4236

■ 46.2622, 50.3386,
58.9084

Harmonies

Analogous

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



18.8263, 27.0513, 42.6111



21.4059, 27.0513, 55.7230



25.4069, 27.0513, 61.6459

Triad

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



21.4059, 27.0513, 55.7230



35.3214, 27.0513, 30.3387



21.8780, 27.0513, 12.5908

Complementary

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



21.4059, 27.0513, 55.7230



23.3004, 13.1909, 1.3192

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.



26.0184, 27.0513, 11.0331



21.4059, 27.0513, 55.7230



34.0988, 27.0513, 19.3297

Square

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



21.4059, 27.0513, 55.7230



33.7311, 27.0513, 44.5808



30.5588, 27.0513, 13.0943



19.0758, 27.0513, 18.2067

Rectangle

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



21.4059, 27.0513, 55.7230



28.4625, 27.0513, 59.7224



30.5588, 27.0513, 13.0943



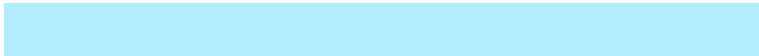
23.1437, 27.0513, 11.6620

Sweetspot

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



21.4068, 27.0522, 55.7237



65.8551, 76.6633, 103.7963



19.8826, 39.1776, 8.4364



13.7689, 16.2423, 22.6593



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.



21.4068, 27.0522, 55.7237



38.1487, 48.0701, 99.7376



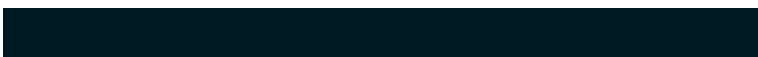
11.3908, 7.0201, 52.3850



10.1829, 11.0572, 12.8824



13.9743, 17.7051, 36.2375



0.6500, 0.8574, 1.5811

Inverse Universe

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



28.3392, 13.9363, 31.7690



50.6589, 24.9199, 56.3930



31.3827, 29.3554, 4.0133



10.4036, 10.2101, 12.2161



18.4496, 9.0696, 20.8112



0.8205, 0.4012, 1.0220

Previews

White Background



This preview shows how the XYZ color 21.4059, 27.0513, 55.7230 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 21.4059, 27.0513, 55.7230 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 21.4059, 27.0513, 55.7230

Background



This preview shows how black text looks on a background with the XYZ color 21.4059, 27.0513, 55.7230.

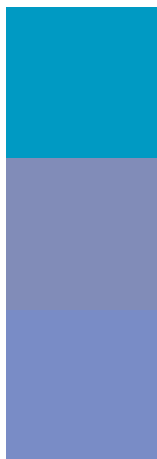


This preview shows how white text looks on a background with the XYZ color 21.4059, 27.0513,

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

21.4059, 27.0513, 55.7230

Protanopia

27.0831, 26.8840, 49.1091

Deuteranopia

27.4563, 26.8983, 57.1709



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



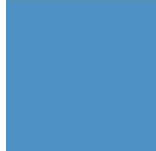
Original Color

21.4059, 27.0513, 55.7230



Protanomaly

22.6822, 25.6755, 51.3373



Deuteranomaly

23.2640, 25.8598, 56.5886



Tritanomaly

19.9243, 26.9913, 46.2792

Monochromacy



Original Color

21.4059, 27.0513, 55.7230



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

15.3496, 18.7992, 28.8062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4059, 27.0513, 55.7230 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 195) }
```

Border

The CSS property to change the border of an element to XYZ 21.4059, 27.0513, 55.7230 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, 195) }
```


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

```
.border{ border-color:rgb(0, 154, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4059, 27.0513, 55.7230 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, 195) }
```

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

```
.background{ background-color: rgb(0, 154,  
195) }
```

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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