

Converting Colors

XYZ(20.9454, 28.2152, 49.1419)

Have a look what the booklet for
XYZ(20.9454, 28.2152, 49.1419)
contains.

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Color

**XYZ(20.9454, 28.2152,
49.1419)**

Conversions

Conversions Part 1

Format	Color
Hex	009FB7
RGB	0, 159, 183
RGB Percent	0%, 62%, 72%
CMY	0.9999, 0.3765, 0.2823
CMYK	1.00, 0.13, 0.00, 0.28
HSL	188°, 100%, 36%
HSV	188°, 100%, 72%
XYZ	20.9454, 28.2152, 49.1419
YIQ	114.1950, -102.4680, -26.2440

Conversions

Conversions Part 2

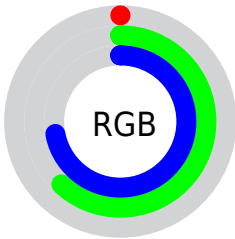
Format	Color
RYB	0, 85, 183
Decimal	40887
CIELab	60.08, -25.93, -22.24
CIElCh	60, 34.161, 220.610
Yxy	28.2152, 0.2131, 0.2870
Android (android.graphics.Color)	4278230967 (0xFF009FB7)
YUV	114.1950, 33.9209, -100.1490
Hunter-Lab	53.1180, -22.5706, -17.6693

Details

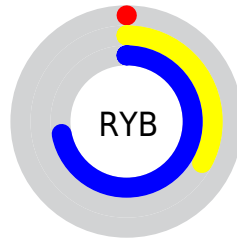
The XYZ color **20.9454, 28.2152, 49.1419** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.8562, 10.7222, 1.0241**, and the grayscale version is **15.9797, 16.8119, 18.3082**.

A 20% lighter version of the original color is **44.4504, 56.8119, 90.2844**, and **9.2870, 12.1271, 22.9704** is the 20% darker color. If you saturate the color by 10%, you get **20.9450, 28.2143, 49.1423**, and if you desaturate by 10%, it is **21.6185, 29.1815, 49.2935**.

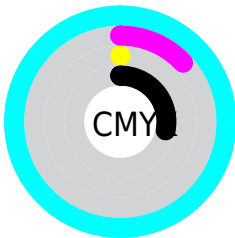
Distribution



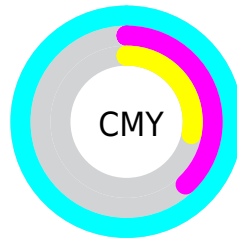
- Red (0%)
- Green (62%)
- Blue (72%)



- Red (0%)
- Yellow (33%)
- Blue (72%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (38%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9454, 28.2152, 49.1419 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 20.9454, 28.2152, 49.1419 by changing the saturation by 10% instead.

■ 20.9454, 28.2152,
49.1419

■ 20.9454, 28.2152,
49.1419

■ 249.7254,
293.4938, 399.9392

■ 13.1963, 18.4879,
34.3657

■ 44.4886, 56.8278,
90.2853

■ 7.6418, 11.3009,
22.8950

■ 61.0135, 76.4820,
117.4896

■ 3.9165, 6.2696,
14.3114

■ 81.1943, 100.2139,
149.6737

■ 1.6550, 3.0097,
8.1964

■ 105.3964,
128.4080, 187.2560

■ 0.4278, 1.1368,
4.1313

■ 133.9853,
161.4487, 230.6552

■ 0.0000, 0.0092,
1.6976

■ 167.3261,

■ 0.0000, 0.0000,

199.7202, 280.2898

0.3591

205.7844,
243.6071, 336.5782

■ 0.0000, 0.0000,
0.0000

■ 20.9454, 28.2152,
49.1419

■ 20.9454, 28.2152,
49.1419

■ 20.9450, 28.2143,
49.1423

■ 21.6185, 29.1815,
49.2935

■ 22.5375, 30.2860,
49.4582

■ 23.7926, 31.5758,
49.6410

■ 25.4273, 33.0734,
49.8439

■ 27.4785, 34.7978,
50.0687

■ 29.9787, 36.7660,
50.3168

■ 32.9572, 38.9929,
50.5897

■ 36.4405, 41.4926,
50.8886

■ 40.4536, 44.2777,
51.2146

Harmonies

Analogous

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



19.3950, 28.2152, 35.3560



20.9454, 28.2152, 49.1419



24.1305, 28.2152, 59.3783

Triad

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



20.9454, 28.2152, 49.1419



35.5251, 28.2152, 39.3987



25.3041, 28.2152, 12.6539

Complementary

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



20.9454, 28.2152, 49.1419



19.8562, 10.7222, 1.0241

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.



29.6973, 28.2152, 13.1877



20.9454, 28.2152, 49.1419



35.9271, 28.2152, 26.5109

Square

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



20.9454, 28.2152, 49.1419



32.6509, 28.2152, 52.7819



33.6962, 28.2152, 17.5975



21.7243, 28.2152, 15.8656

Rectangle

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



20.9454, 28.2152, 49.1419



26.9070, 28.2152, 61.5135



33.6962, 28.2152, 17.5975



26.7286, 28.2152, 12.4288

Sweetspot

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



20.9463, 28.2162, 49.1426



58.7283, 69.6175, 90.5779



17.0731, 33.9232, 6.3762



12.4566, 14.9956, 19.9595



88.6918, 93.3107, 101.6153



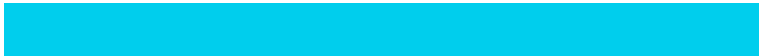
17.8044, 18.7317, 20.3988

Same Dimension

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



20.9463, 28.2162, 49.1426



37.3899, 50.2869, 87.9714



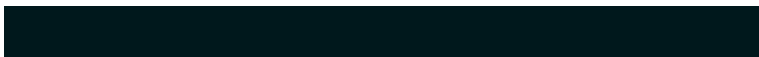
10.7488, 7.8212, 45.7434



9.1635, 10.0042, 11.5275



14.6472, 19.7541, 34.2940



0.5445, 0.7527, 1.2183

Inverse Universe

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



25.7873, 12.5715, 33.8693



46.1211, 22.4887, 60.3304



25.4189, 21.8476, 2.8783



9.3289, 9.1419, 11.0793



18.0069, 8.7765, 23.7210



0.6490, 0.3151, 0.9111

Previews

White Background



This preview shows how the XYZ color 20.9454, 28.2152, 49.1419 looks on a white background.

Color Contrast Check

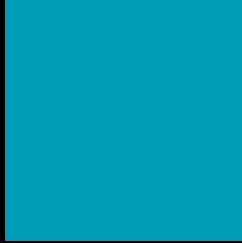
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9454, 28.2152, 49.1419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

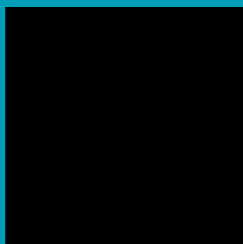
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

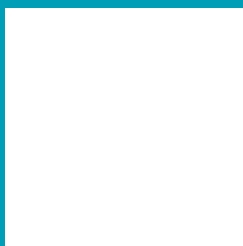
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9454, 28.2152, 49.1419

Background



This preview shows how black text looks on a background with the XYZ color 20.9454, 28.2152, 49.1419.

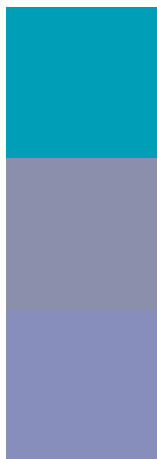


This preview shows how white text looks on a background with the XYZ color 20.9454, 28.2152,

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

20.9454, 28.2152, 49.1419

Protanopia

27.7501, 28.0268, 42.9768

Deuteranopia

28.6343, 28.0848, 50.9254



Tritanopia

20.1136, 28.1587, 43.9102

Trichromacy



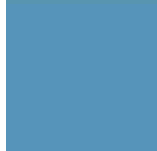
Original Color

20.9454, 28.2152, 49.1419



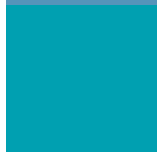
Protanomaly

22.6084, 26.7042, 45.0371



Deuteranomaly

23.2906, 26.7034, 50.3811



Tritanomaly

20.5066, 28.3159, 45.9797

Monochromacy



Original Color

20.9454, 28.2152, 49.1419



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

15.3905, 19.2458, 27.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9454, 28.2152, 49.1419 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, 159, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 183)  
}
```

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, 159, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 183) }
```

Border

The CSS property to change the border of an element to XYZ 20.9454, 28.2152, 49.1419 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, 159, 183) }
```


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

```
.border{ border-color:rgb(0, 159, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9454, 28.2152, 49.1419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 183) }
```

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

```
.background{ background-color: rgb(0, 159,  
183) }
```

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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