

Converting Colors

XYZ(9.0307, 16.9686, 47.6293)

Have a look what the booklet for
XYZ(9.0307, 16.9686, 47.6293)
contains.

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Color

**XYZ(17.4929, 21.3102,
47.9911)**

Conversions

Conversions Part 1

Format	Color
Hex	0089B7
RGB	0, 137, 183
RGB Percent	0%, 54%, 72%
CMY	0.9999, 0.4627, 0.2823
CMYK	1.00, 0.25, 0.00, 0.28
HSL	195°, 100%, 36%
HSV	195°, 100%, 72%
XYZ	17.4929, 21.3102, 47.9911
YIQ	101.2810, -96.4180, -14.7380

Conversions

Conversions Part 2

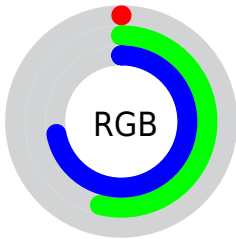
Format	Color
RYB	0, 78, 183
Decimal	35255
CIELab	53.29, -14.24, -32.74
CIELCh	53, 35.708, 246.493
Yxy	21.3102, 0.2015, 0.2455
Android (android.graphics.Color)	4278225335 (0xFF0089B7)
YUV	101.2810, 40.2875, -88.8234
Hunter-Lab	46.1630, -13.1448, -29.3239

Details

The XYZ color **17.4929, 21.3102, 47.9911** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **20.5072, 12.0242, 1.2411**, and the grayscale version is **12.3622, 13.0060, 14.1635**.

A 20% lighter version of the original color is **38.6095, 45.4386, 88.3969**, and **7.4375, 8.4281, 22.3539** is the 20% darker color. If you saturate the color by 10%, you get **17.4919, 21.3081, 47.9912**, and if you desaturate by 10%, it is **18.4171, 22.7787, 48.2263**.

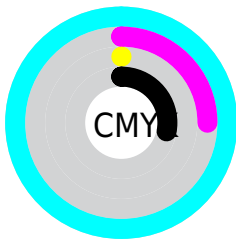
Distribution



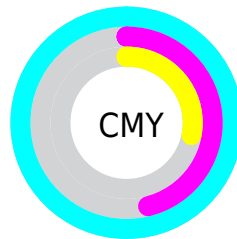
- Red (0%)
- Green (54%)
- Blue (72%)



- Red (0%)
- Yellow (31%)
- Blue (72%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (46%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4929, 21.3102, 47.9911 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 17.4929, 21.3102, 47.9911 by changing the saturation by 10% instead.

■ 17.4929, 21.3102,
47.9911

■ 17.4929, 21.3102,
47.9911

■ 231.0983,
258.9225, 395.2645

■ 10.6840, 13.3509,
33.4599

■ 38.7082, 45.6032,
88.5566

■ 5.9205, 7.6706,
22.2050

■ 53.8454, 62.7058,
115.4279

■ 2.8370, 3.8849,
13.8078

■ 72.4893, 83.6249,
147.2497

■ 1.0682, 1.6094,
7.8499

■ 95.0054, 108.7449,
184.4405

■ 0.0000, 0.3639,
3.9127

■ 121.7590,
138.4503, 227.4189

■ 0.0000, 0.0000,
1.5776

■ 153.1154,

■ 0.0000, 0.0000,

173.1254, 276.6033

0.2747

189.4401,
213.1547, 332.4123

■ 0.0000, 0.0000,
0.0000

■ 17.4929, 21.3102,
47.9911

■ 17.4929, 21.3102,
47.9911

■ 17.4919, 21.3081,
47.9912

■ 18.4171, 22.7787,
48.2263

■ 19.6075, 24.4260,
48.4815

■ 21.1545, 26.2996,
48.7616

■ 23.1018, 28.4223,
49.0687

■ 25.4866, 30.8140,
49.4047

■ 28.3417, 33.4920,
49.7711

■ 31.6966, 36.4719,
50.1694

■ 35.5782, 39.7681,
50.6011

■ 40.0116, 43.3939,
51.0673

Harmonies

Analogous

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



14.9574, 21.3102, 37.9076



17.4929, 21.3102, 47.9911



21.0874, 21.3102, 50.6243

Triad

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



17.4929, 21.3102, 47.9911



28.3648, 21.3102, 20.9290



16.2339, 21.3102, 10.1735

Complementary

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



17.4929, 21.3102, 47.9911



20.5072, 12.0242, 1.2411

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.



19.4442, 21.3102, 8.0618



17.4929, 21.3102, 47.9911



26.6748, 21.3102, 12.8982

Square

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



17.4929, 21.3102, 47.9911



27.6741, 21.3102, 32.5310



23.2929, 21.3102, 8.8751



14.2962, 21.3102, 15.8542

Rectangle

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



17.4929, 21.3102, 47.9911



23.6715, 21.3102, 47.2511



23.2929, 21.3102, 8.8751



17.1836, 21.3102, 9.1187

Sweetspot

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



17.4937, 21.3109, 47.9916



56.4352, 65.0313, 89.8136



17.4229, 34.0631, 8.2184



11.8867, 13.8558, 19.7695



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.



17.4937, 21.3109, 47.9916



31.1346, 37.7764, 85.8863



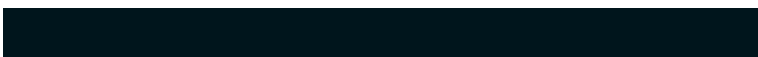
9.5161, 5.3558, 45.3325



9.0703, 9.8179, 11.4964



12.2593, 14.9783, 33.4980



0.4783, 0.6203, 1.1963

Inverse Universe

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



24.0445, 11.8744, 24.6922



42.9637, 21.2258, 43.7039



28.5115, 28.0327, 3.9092



9.2818, 9.1231, 10.8316



16.8016, 8.2944, 17.3739



0.6156, 0.3017, 0.7352

Previews

White Background



This preview shows how the XYZ color 17.4929, 21.3102, 47.9911 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 17.4929, 21.3102, 47.9911 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 17.4929, 21.3102, 47.9911

Background



This preview shows how black text looks on a background with the XYZ color 17.4929, 21.3102, 47.9911.

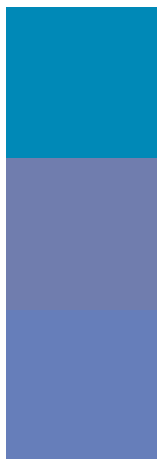


This preview shows how white text looks on a background with the XYZ color 17.4929, 21.3102,

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

17.4929, 21.3102, 47.9911

Protanopia

21.6557, 21.1680, 42.9888

Deuteranopia

21.8033, 21.2917, 49.4149



Tritanopia

15.1924, 21.3168, 33.0196

Trichromacy



Original Color

17.4929, 21.3102, 47.9911

Protanomaly

18.3846, 20.2144, 44.5278

Deuteranomaly

18.9196, 20.5919, 48.8764

Tritanomaly

15.9889, 21.4005, 37.9383

Monochromacy



Original Color

17.4929, 21.3102, 47.9911

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2284, 14.7633, 23.6778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4929, 21.3102, 47.9911 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, 137, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 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, 137, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 183) }
```

Border

The CSS property to change the border of an element to XYZ 17.4929, 21.3102, 47.9911 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, 137, 183) }
```


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

```
.border{ border-color:rgb(0, 137, 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, 137, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 17.4929, 21.3102, 47.9911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 183) }
```

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

```
.background{ background-color: rgb(0, 137,  
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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