

Converting Colors

XYZ(21.4930, 28.4487, 51.3721)

Have a look what the booklet for
XYZ(21.4930, 28.4487, 51.3721)
contains.

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Color

**XYZ(21.4930, 28.4487,
51.3721)**

Conversions

Conversions Part 1

Format	Color
Hex	0A9FBB
RGB	10, 159, 187
RGB Percent	4%, 62%, 73%
CMY	0.9606, 0.3765, 0.2667
CMYK	0.95, 0.15, 0.00, 0.27
HSL	189°, 90%, 39%
HSV	189°, 95%, 73%
XYZ	21.4930, 28.4487, 51.3721
YIQ	117.6410, -97.7920, -22.8800

Conversions

Conversions Part 2

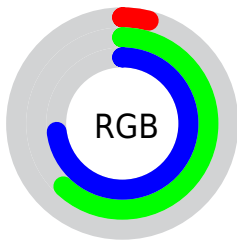
Format	Color
RYB	10, 91, 187
Decimal	696251
CIELab	60.29, -24.23, -24.16
CIELCh	60, 34.215, 224.923
Yxy	28.4487, 0.2121, 0.2808
Android (android.graphics.Color)	4278886331 (0xFF0A9FBB)
YUV	117.6410, 34.1940, -94.4012
Hunter-Lab	53.3373, -21.4113, -19.7693

Details

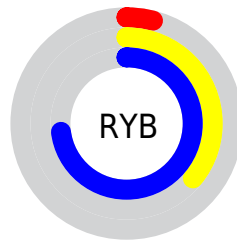
The XYZ color **21.4930, 28.4487, 51.3721** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.2431, 11.9757, 1.4802**, and the grayscale version is **17.0304, 17.9173, 19.5119**.

A 20% lighter version of the original color is **45.3698, 57.2168, 93.4467**, and **9.5608, 12.2366, 24.4123** is the 20% darker color. If you saturate the color by 10%, you get **21.0968, 27.8420, 51.2764**, and if you desaturate by 10%, it is **22.3826, 29.6722, 51.5619**.

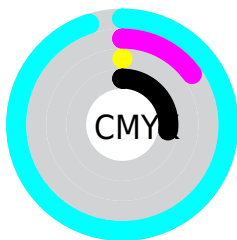
Distribution



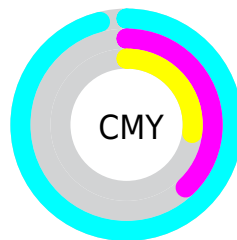
- Red (4%)
- Green (62%)
- Blue (73%)



- Red (4%)
- Yellow (36%)
- Blue (73%)



- Cyan (95%)
- Magenta (15%)
- Yellow (0%)
- Black (27%)



- Cyan (96%)
- Magenta (38%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4930, 28.4487, 51.3721 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 21.4930, 28.4487, 51.3721 by changing the saturation by 10% instead.

■ 21.4930, 28.4487,
51.3721

■ 21.4930, 28.4487,
51.3721

■ 252.5695,
294.6048, 408.8955

■ 13.5994, 18.6642,
36.1260

■ 45.3917, 57.2000,
93.6217

■ 7.9224, 11.4279,
24.2411

■ 62.1275, 76.9356,
121.4623

■ 4.0967, 6.3554,
15.2987

■ 82.5414, 100.7570,
154.3382

■ 1.7570, 3.0624,
8.8803

■ 106.9987,
129.0486, 192.6679

■ 0.4915, 1.1644,
4.5675

■ 135.8648,
162.1947, 236.8699

■ 0.0000, 0.0323,
1.9415

■ 169.5050,

■ 0.0000, 0.0000,

200.5799, 287.3628

0.5190

208.2848,
244.5885, 344.5652

■ 0.0000, 0.0000,
0.0000

■ 21.4930, 28.4487,
51.3721

■ 21.4930, 28.4487,
51.3721

■ 21.0968, 27.8420,
51.2764

■ 22.3826, 29.6722,
51.5619

■ 23.6031, 31.0841,
51.7701

■ 25.2062, 32.7114,
51.9997

■ 27.2338, 34.5761,
52.2528

■ 29.7221, 36.6968,
52.5310

■ 32.7037, 39.0905,
52.8359

■ 36.2077, 41.7724,
53.1688

■ 40.2612, 44.7564,
53.5312

■ 44.8895, 48.0558,
53.9241

Harmonies

Analogous

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



19.6766, 28.4487, 37.6268



21.4930, 28.4487, 51.3721



24.9031, 28.4487, 60.6684

Triad

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



21.4930, 28.4487, 51.3721



36.0354, 28.4487, 37.6984



24.9239, 28.4487, 12.9979

Complementary

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



21.4930, 28.4487, 51.3721



21.2431, 11.9757, 1.4802

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.



29.2950, 28.4487, 13.0073



21.4930, 28.4487, 51.3721



36.0425, 28.4487, 25.1587

Square

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



21.4930, 28.4487, 51.3721



33.4483, 28.4487, 51.4366



33.4668, 28.4487, 16.8500



21.5068, 28.4487, 16.8194

Rectangle

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



21.4930, 28.4487, 51.3721



27.7704, 28.4487, 61.8388



33.4668, 28.4487, 16.8500



26.3218, 28.4487, 12.5951

Sweetspot

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



21.4939, 28.4497, 51.3728



62.3350, 72.9150, 94.9900



18.2237, 35.7369, 7.6537



13.1367, 15.6032, 20.8619



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.4939, 28.4497, 51.3728



37.6387, 49.5740, 91.7864



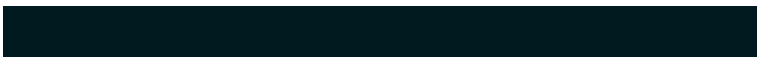
11.4113, 8.2844, 48.0119



9.6766, 10.5454, 12.1977



14.5794, 19.2705, 35.3441



0.6061, 0.8250, 1.3961

Inverse Universe

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



26.8610, 13.2862, 33.9506



47.5934, 23.2774, 59.0616



27.8906, 25.2706, 3.6960



9.8633, 9.6696, 11.6694



18.3598, 8.9751, 22.9859



0.7369, 0.3586, 0.9936

Previews

White Background



This preview shows how the XYZ color 21.4930, 28.4487, 51.3721 looks on a white background.

Color Contrast Check

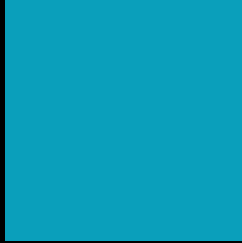
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4930, 28.4487, 51.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

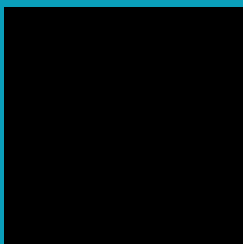
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

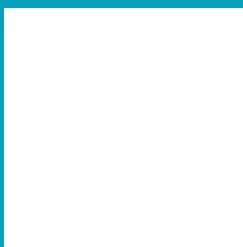
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4930, 28.4487, 51.3721

Background



This preview shows how black text looks on a background with the XYZ color 21.4930, 28.4487, 51.3721.

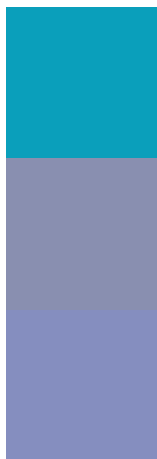


This preview shows how white text looks on a background with the XYZ color 21.4930, 28.4487,

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

21.4930, 28.4487, 51.3721

Protanopia

27.9755, 28.0979, 45.0233

Deuteranopia

28.7498, 28.0941, 53.1976



Tritanopia

20.2877, 28.5069, 43.9683

Trichromacy



Original Color

21.4930, 28.4487, 51.3721

Protanomaly

23.3000, 27.0143, 47.1663

Deuteranomaly

23.9087, 26.9722, 52.6612

Tritanomaly

20.6568, 28.3818, 46.5090

Monochromacy



Original Color

21.4930, 28.4487, 51.3721

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.5699, 20.4205, 29.0548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4930, 28.4487, 51.3721 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(10, 159, 187)` looks like.

```
.text, #text, p{  
    color:rgb(10, 159, 187)  
}
```

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(10, 159, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 159, 187) }
```

Border

The CSS property to change the border of an element to XYZ 21.4930, 28.4487, 51.3721 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(10, 159, 187) }
```


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

```
.border{ border-color:rgb(10, 159, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 159, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 159, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 159, 187);  
box-shadow:4px 4px 4px 4px rgb(10, 159,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4930, 28.4487, 51.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 159, 187) }
```

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

```
.background{ background-color: rgb(10, 159,  
187) }
```

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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