

Converting Colors

XYZ(8.0012, 21.7420, 51.4804)

Have a look what the booklet for
XYZ(8.0012, 21.7420, 51.4804)
contains.

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Color

**XYZ(21.6479, 28.7725,
51.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	00A0BC
RGB	0, 160, 188
RGB Percent	0%, 63%, 74%
CMY	0.9999, 0.3725, 0.2627
CMYK	1.00, 0.15, 0.00, 0.26
HSL	189°, 100%, 37%
HSV	189°, 100%, 74%
XYZ	21.6479, 28.7725, 51.9896
YIQ	115.3520, -104.3480, -25.2120

Conversions

Conversions Part 2

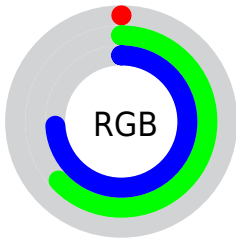
Format	Color
RYB	0, 86, 188
Decimal	41148
CIELab	60.58, -24.74, -24.29
CIELCh	61, 34.667, 224.470
Yxy	28.7725, 0.2114, 0.2810
Android (android.graphics.Color)	4278231228 (0xFF00A0BC)
YUV	115.3520, 35.8155, -101.1637
Hunter-Lab	53.6400, -21.8314, -19.9178

Details

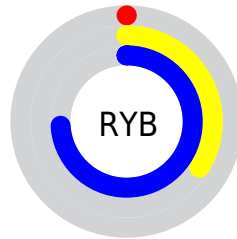
The XYZ color **21.6479, 28.7725, 51.9896** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **21.1555, 11.5237, 1.1103**, and the grayscale version is **16.3234, 17.1735, 18.7020**.

A 20% lighter version of the original color is **45.5593, 57.6739, 94.3189**, and **9.7357, 12.4744, 24.8163** is the 20% darker color. If you saturate the color by 10%, you get **21.6475, 28.7714, 51.9900**, and if you desaturate by 10%, it is **22.4048, 29.8921, 52.1664**.

Distribution



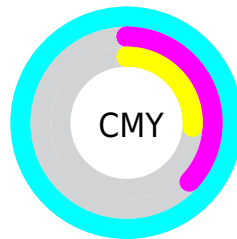
- Red (0%)
- Green (63%)
- Blue (74%)



- Red (0%)
- Yellow (34%)
- Blue (74%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (37%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6479, 28.7725, 51.9896 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 21.6479, 28.7725, 51.9896 by changing the saturation by 10% instead.

■ 21.6479, 28.7725,
51.9896

■ 21.6479, 28.7725,
51.9896

■ 253.3690,
296.1400, 411.3523

■ 13.7136, 18.9088,
36.6146

■ 45.6466, 57.7154,
94.5423

■ 8.0021, 11.6044,
24.6158

■ 62.4416, 77.5634,
122.5571

■ 4.1481, 6.4749,
15.5746

■ 82.9209, 101.5084,
155.6223

■ 1.7863, 3.1359,
9.0726

■ 107.4498,
129.9345, 194.1563

■ 0.5094, 1.2031,
4.6911

■ 136.3938,
163.2264, 238.5778

■ 0.0000, 0.0642,
2.0116

■ 170.1180,

■ 0.0000, 0.0000,

201.7684, 289.3053

0.5624

208.9880,
245.9448, 346.7572

■ 0.0000, 0.0000,
0.0000

■ 21.6479, 28.7725,
51.9896

■ 21.6479, 28.7725,
51.9896

■ 21.6475, 28.7714,
51.9900

■ 22.4048, 29.8921,
52.1664

■ 23.4273, 31.1644,
52.3581

■ 24.8098, 32.6387,
52.5698

■ 26.5988, 34.3392,
52.8037

■ 28.8339, 36.2862,
53.0617

■ 31.5498, 38.4979,
53.3455

■ 34.7778, 40.9904,
53.6564

■ 38.5465, 43.7786,
53.9960

■ 42.8822, 46.8762,
54.3654

Harmonies

Analogous

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



19.8240, 28.7725, 37.9076



21.6479, 28.7725, 51.9896



25.1046, 28.7725, 61.6258

Triad

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



21.6479, 28.7725, 51.9896



36.5175, 28.7725, 38.4109



25.2505, 28.7725, 12.9943

Complementary

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



21.6479, 28.7725, 51.9896



21.1555, 11.5237, 1.1103

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.



29.7199, 28.7725, 13.0601



21.6479, 28.7725, 51.9896



36.5676, 28.7725, 25.5582

Square

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



21.6479, 28.7725, 51.9896



33.8384, 28.7725, 52.4437



33.9686, 28.7725, 17.0262



21.7446, 28.7725, 16.8120

Rectangle

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



21.6479, 28.7725, 51.9896



28.0244, 28.7725, 62.9315



33.9686, 28.7725, 17.0262



26.6814, 28.7725, 12.6046

Sweetspot

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



21.6489, 28.7735, 51.9903



62.7072, 74.0451, 97.2133



18.1604, 36.0377, 6.9241



12.9337, 15.5021, 20.8531



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.



21.6489, 28.7735, 51.9903



39.0887, 51.8559, 94.1752



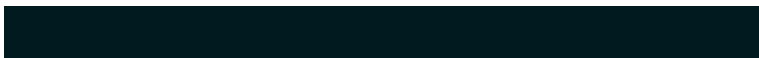
11.2031, 7.8820, 48.5084



9.6842, 10.5607, 12.2002



14.7815, 19.6747, 35.4114



0.6124, 0.8375, 1.3982

Inverse Universe

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



27.0850, 13.2304, 34.3849



49.0129, 23.9471, 61.9301



27.3459, 23.9043, 3.1737



9.8672, 9.6712, 11.6897



18.4618, 9.0159, 23.5231



0.7400, 0.3599, 1.0102

Previews

White Background



This preview shows how the XYZ color 21.6479, 28.7725, 51.9896 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 21.6479, 28.7725, 51.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

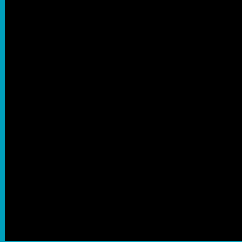
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6479, 28.7725, 51.9896

Background



This preview shows how black text looks on a background with the XYZ color 21.6479, 28.7725, 51.9896.

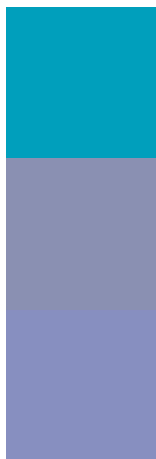


This preview shows how white text looks on a background with the XYZ color 21.6479, 28.7725,

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

21.6479, 28.7725, 51.9896

Protanopia

28.3903, 28.5241, 45.6043

Deuteranopia

29.1684, 28.5190, 53.8366



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

21.6479, 28.7725, 51.9896

Protanomaly

23.2713, 27.2236, 47.7442

Deuteranomaly

23.8977, 27.1878, 53.2784

Tritanomaly

20.8816, 28.7444, 47.0955

Monochromacy



Original Color

21.6479, 28.7725, 51.9896

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.7464, 19.6021, 28.5448

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6479, 28.7725, 51.9896 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, 160, 188)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 188)  
}
```

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, 160, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 188) }
```

Border

The CSS property to change the border of an element to XYZ 21.6479, 28.7725, 51.9896 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, 160, 188) }
```


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

```
.border{ border-color:rgb(0, 160, 188) }
```

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

Here you see how a box with a 4 pixel rgb(0, 160, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 188);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6479, 28.7725, 51.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 188) }
```

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

```
.background{ background-color: rgb(0, 160,  
188) }
```

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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