

Converting Colors

XYZ(21.0334, 29.5840, 44.3401)

Have a look what the booklet for
XYZ(21.0334, 29.5840, 44.3401)
contains.

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Color

**XYZ(21.0495, 29.6872,
44.1559)**

Conversions

Conversions Part 1

Format	Color
Hex	11A4AD
RGB	17, 164, 173
RGB Percent	7%, 64%, 68%
CMY	0.9332, 0.3569, 0.3216
CMYK	0.90, 0.05, 0.00, 0.32
HSL	183°, 82%, 37%
HSV	183°, 90%, 68%
XYZ	21.0495, 29.6872, 44.1559
YIQ	121.0730, -90.5010, -28.3650

Conversions

Conversions Part 2

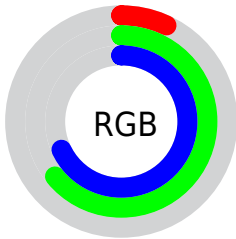
Format	Color
RYB	17, 93, 173
Decimal	1156269
CIELab	61.38, -31.04, -14.62
CIElCh	61, 34.310, 205.218
Yxy	29.6872, 0.2218, 0.3129
Android (android.graphics.Color)	4279346349 (0xFF11A4AD)
YUV	121.0730, 25.6000, -91.2720
Hunter-Lab	54.4860, -26.3907, -9.9090

Details

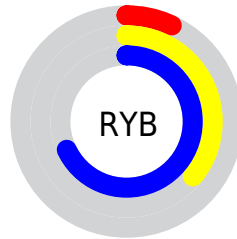
The XYZ color **21.0495, 29.6872, 44.1559** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7052, 9.6648, 1.4638**, and the grayscale version is **18.1413, 19.0860, 20.7847**.

A 20% lighter version of the original color is **44.4807, 58.9171, 82.4266**, and **9.2454, 12.9688, 20.1051** is the 20% darker color. If you saturate the color by 10%, you get **20.6436, 29.2186, 44.0874**, and if you desaturate by 10%, it is **21.6686, 30.2732, 44.2369**.

Distribution



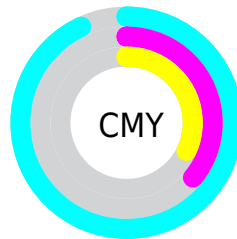
- Red (7%)
- Green (64%)
- Blue (68%)



- Red (7%)
- Yellow (36%)
- Blue (68%)



- Cyan (90%)
- Magenta (5%)
- Yellow (0%)
- Black (32%)



- Cyan (93%)
- Magenta (36%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0495, 29.6872, 44.1559 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 21.0495, 29.6872, 44.1559 by changing the saturation by 10% instead.

■ 21.0495, 29.6872,
44.1559

■ 21.0495, 29.6872,
44.1559

250.2682,
300.4437, 379.4040

■ 13.2729, 19.6013,
30.4550

■ 44.6606, 59.1672,
82.7573

■ 7.6950, 12.1056,
19.9292

■ 61.2257, 79.3300,
108.4948

■ 3.9506, 6.8156,
12.1600

■ 81.4510, 103.6206,
139.0816

■ 1.6742, 3.3470,
6.7289

■ 105.7019,
132.4233, 174.9363

■ 0.4400, 1.3155,
3.2173

■ 134.3437,
166.1226, 216.4773

■ 0.0000, 0.1531,
1.2066

■ 167.7418,

■ 0.0000, 0.0000,

205.1028, 264.1233

0.0000

206.2615,
249.7484, 318.2927

■ 21.0495, 29.6872,
44.1559

■ 21.0495, 29.6872,
44.1559

■ 20.6436, 29.2186,
44.0874

■ 21.6686, 30.2732,
44.2369

■ 22.5759, 31.0092,
44.3312

■ 23.8101, 31.9159,
44.4411

■ 25.4033, 33.0097,
44.5683

■ 27.3838, 34.3053,
44.7140

■ 29.7770, 35.8157,
44.8794

■ 32.6062, 37.5530,
45.0656

■ 35.8928, 39.5283,
45.2737

■ 39.6572, 41.7519,
45.5045

Harmonies

Analogous

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



20.3987, 29.6872, 30.2895



21.0495, 29.6872, 44.1559



23.5353, 29.6872, 57.4369

Triad

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



21.0495, 29.6872, 44.1559



35.9897, 29.6872, 48.7393



28.9490, 29.6872, 13.2979

Complementary

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



21.0495, 29.6872, 44.1559



17.7052, 9.6648, 1.4638

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.



33.4813, 29.6872, 15.8638



21.0495, 29.6872, 44.1559



37.8139, 29.6872, 34.4482

Square

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



21.0495, 29.6872, 44.1559



32.0917, 29.6872, 60.5413



36.8503, 29.6872, 22.8210



24.6671, 29.6872, 14.6051

Rectangle

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



21.0495, 29.6872, 44.1559



26.0529, 29.6872, 62.9291



36.8503, 29.6872, 22.8210



30.4973, 29.6872, 13.7106

Sweetspot

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



21.0504, 29.6883, 44.1566



54.6112, 64.9385, 80.4618



15.3490, 30.0764, 5.9062



11.5297, 13.9026, 17.4635



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.0504, 29.6883, 44.1566



36.9159, 52.2177, 78.9391



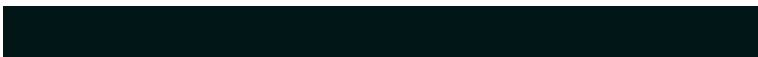
11.2002, 9.9879, 40.8732



8.1962, 8.9917, 10.2563



15.1801, 21.4941, 32.3932



0.4340, 0.6213, 0.9050

Inverse Universe

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



24.1357, 11.9665, 36.1607



42.6794, 20.6372, 63.6603



22.1668, 18.5882, 2.9510



8.3168, 8.1400, 9.9792



17.5259, 8.4729, 26.2124



0.4934, 0.2381, 0.7602

Previews

White Background



This preview shows how the XYZ color 21.0495, 29.6872, 44.1559 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 21.0495, 29.6872, 44.1559 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

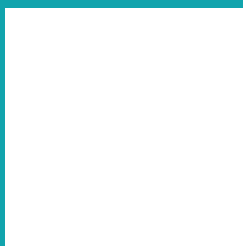
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0495, 29.6872, 44.1559

Background



This preview shows how black text looks on a background with the XYZ color 21.0495, 29.6872, 44.1559.

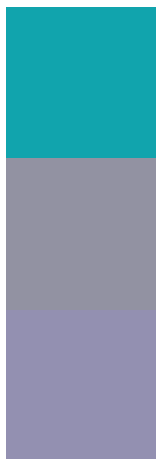


This preview shows how white text looks on a background with the XYZ color 21.0495, 29.6872,

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

21.0495, 29.6872, 44.1559

Protanopia

28.6545, 29.2774, 38.3233

Deuteranopia

29.9417, 29.3239, 45.6770



Tritanopia

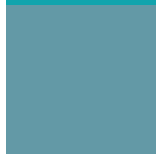
21.4097, 29.5629, 46.1728

Trichromacy



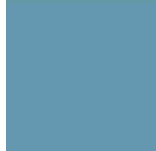
Original Color

21.0495, 29.6872, 44.1559



Protanomaly

23.4198, 28.1883, 40.2829



Deuteranomaly

24.1586, 27.9771, 45.2011



Tritanomaly

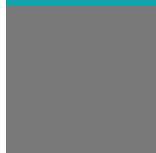
21.2429, 29.4884, 45.6465

Monochromacy



Original Color

21.0495, 29.6872, 44.1559



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

17.2466, 21.6238, 28.0758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0495, 29.6872, 44.1559 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(17, 164, 173)` looks like.

```
.text, #text, p{  
    color:rgb(17, 164, 173)  
}
```

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(17, 164, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 164, 173) }
```

Border

The CSS property to change the border of an element to XYZ 21.0495, 29.6872, 44.1559 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(17, 164, 173) }
```


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

```
.border{ border-color:rgb(17, 164, 173) }
```

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

Here you see how a box with a 4 pixel rgb(17, 164, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 164, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 164, 173);  
box-shadow:4px 4px 4px 4px rgb(17, 164,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0495, 29.6872, 44.1559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 164, 173) }
```

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

```
.background{ background-color: rgb(17, 164,  
173) }
```

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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