

Converting Colors

XYZ(21.0175, 29.9815, 42.2154)

Have a look what the booklet for
XYZ(21.0175, 29.9815, 42.2154)
contains.

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Color

**XYZ(21.0175, 29.9815,
42.2154)**

Conversions

Conversions Part 1

Format	Color
Hex	19A5A9
RGB	25, 165, 169
RGB Percent	10%, 65%, 66%
CMY	0.9019, 0.3529, 0.3373
CMYK	0.85, 0.02, 0.00, 0.34
HSL	182°, 74%, 38%
HSV	182°, 85%, 66%
XYZ	21.0175, 29.9815, 42.2154
YIQ	123.5960, -84.7240, -28.4360

Conversions

Conversions Part 2

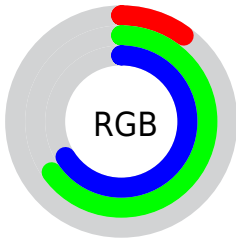
Format	Color
R_{YB}	25, 96, 169
Decimal	1680809
CIE _{Lab}	61.64, -32.29, -11.98
CIE _{LCh}	62, 34.442, 200.350
Yxy	29.9815, 0.2255, 0.3216
Android (android.graphics.Color)	4279870889 (0xFF19A5A9)
YUV	123.5960, 22.3842, -86.4687
Hunter-Lab	54.7554, -27.3058, -7.3828

Details

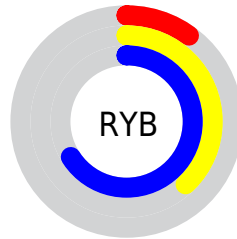
The XYZ color **21.0175, 29.9815, 42.2154** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.9778, 9.3849, 1.8373**, and the grayscale version is **18.9741, 19.9622, 21.7389**.

A 20% lighter version of the original color is **44.6778, 59.8614, 79.7207**, and **9.0051, 12.8727, 18.8397** is the 20% darker color. If you saturate the color by 10%, you get **20.6342, 29.6591, 42.1739**, and if you desaturate by 10%, it is **21.6534, 30.4359, 42.2701**.

Distribution



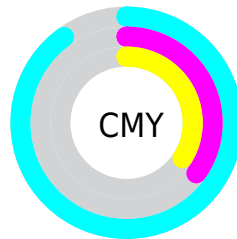
- Red (10%)
- Green (65%)
- Blue (66%)



- Red (10%)
- Yellow (38%)
- Blue (66%)



- Cyan (85%)
- Magenta (2%)
- Yellow (0%)
- Black (34%)



- Cyan (90%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0175, 29.9815, 42.2154 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 21.0175, 29.9815, 42.2154 by changing the saturation by 10% instead.

■ 21.0175, 29.9815,
42.2154

■ 21.0175, 29.9815,
42.2154

250.1014,
301.8182, 371.2010

■ 13.2493, 19.8245,
28.9432

■ 44.6077, 59.6329,
79.7991

■ 7.6786, 12.2676,
18.7926

■ 61.1605, 79.8962,
104.9477

■ 3.9401, 6.9262,
11.3452

■ 81.3721, 104.2970,
134.8921

■ 1.6683, 3.4160,
6.1825

■ 105.6080,
133.2198, 170.0510

■ 0.4363, 1.3526,
2.8858

■ 134.2336,
167.0489, 210.8427

■ 0.0000, 0.1814,
1.0366

■ 167.6141,

■ 0.0000, 0.0000,

206.1687, 257.6860

0.0000

206.1149,
250.9637, 310.9992

■ 21.0175, 29.9815,
42.2154

■ 21.0175, 29.9815,
42.2154

■ 20.6342, 29.6591,
42.1739

■ 21.6534, 30.4359,
42.2701

■ 20.4921, 29.5257,
42.1557

■ 22.5799, 31.0399,
42.3379

■ 23.8306, 31.8115,
42.4209

■ 25.4338, 32.7653,
42.5205

■ 27.4149, 33.9143,
42.6379

■ 29.7966, 35.2704,
42.7741

■ 32.6002, 36.8444,
42.9301

■ 35.8452, 38.6464,
43.1069

■ 39.5501, 40.6859,
43.3053

Harmonies

Analogous

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



20.6727, 29.9815, 28.6005



21.0175, 29.9815, 42.2154



23.2428, 29.9815, 56.1444

Triad

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



21.0175, 29.9815, 42.2154



35.8222, 29.9815, 51.5081



29.9969, 29.9815, 13.5713

Complementary

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



21.0175, 29.9815, 42.2154



16.9778, 9.3849, 1.8373

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.



34.4876, 29.9815, 16.8327



21.0175, 29.9815, 42.2154



38.0806, 29.9815, 37.0534

Square

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



21.0175, 29.9815, 42.2154



31.6672, 29.9815, 62.4284



37.5676, 29.9815, 24.6424



25.5449, 29.9815, 14.2601

Rectangle

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



21.0175, 29.9815, 42.2154



25.6391, 29.9815, 62.5910



37.5676, 29.9815, 24.6424



31.5588, 29.9815, 14.1995

Sweetspot

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



21.0184, 29.9826, 42.2161



52.7813, 62.8371, 76.5720



14.7922, 28.6643, 5.8155



11.1862, 13.5154, 16.6713



80.6108, 84.8088, 92.3568



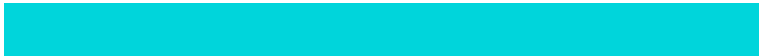
14.7206, 15.4872, 16.8656

Same Dimension

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



21.0184, 29.9826, 42.2161



36.6727, 52.8242, 75.4883



11.6200, 11.1857, 39.0833



7.7294, 8.4958, 9.6508



15.2792, 22.0186, 31.4202



0.3771, 0.5464, 0.7662

Inverse Universe

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



23.5022, 11.8478, 36.6466



41.3406, 19.9214, 64.7566



21.0388, 17.5068, 3.1910



7.8328, 7.6630, 9.4366



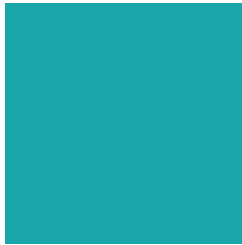
17.2128, 8.2939, 26.9961



0.4215, 0.2029, 0.6710

Previews

White Background



This preview shows how the XYZ color 21.0175, 29.9815, 42.2154 looks on a white background.

Color Contrast Check

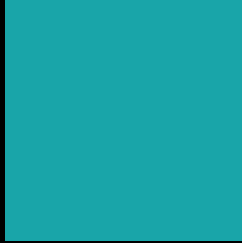
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0175, 29.9815, 42.2154 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 ✓ Pass

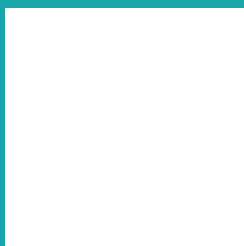
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0175, 29.9815, 42.2154

Background



This preview shows how black text looks on a background with the XYZ color 21.0175, 29.9815, 42.2154.

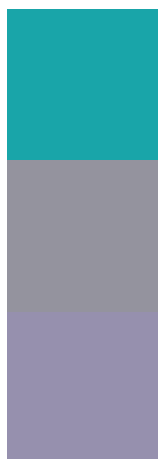


This preview shows how white text looks on a background with the XYZ color 21.0175, 29.9815,

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

21.0175, 29.9815, 42.2154

Protanopia

28.8180, 29.6320, 36.5484

Deuteranopia

30.1909, 29.4865, 44.1446



Tritanopia

21.9044, 30.0826, 46.2470

Trichromacy



Original Color

21.0175, 29.9815, 42.2154



Protanomaly

23.6707, 28.6034, 38.4558



Deuteranomaly

24.5003, 28.4383, 43.2276



Tritanomaly

21.4805, 29.8982, 44.6832

Monochromacy



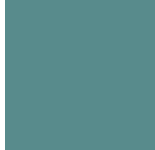
Original Color

21.0175, 29.9815, 42.2154



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.9907, 22.4334, 28.1928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0175, 29.9815, 42.2154 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(25, 165, 169)` looks like.

```
.text, #text, p{  
    color:rgb(25, 165, 169)  
}
```

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(25, 165, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 165, 169) }
```

Border

The CSS property to change the border of an element to XYZ 21.0175, 29.9815, 42.2154 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(25, 165, 169) }
```


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

```
.border{ border-color:rgb(25, 165, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 165, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 165, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 165, 169);  
box-shadow:4px 4px 4px 4px rgb(25, 165,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0175, 29.9815, 42.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 165, 169) }
```

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

```
.background{ background-color: rgb(25, 165,  
169) }
```

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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