

Converting Colors

XYZ(17.7826, 29.5829, 41.9709)

Have a look what the booklet for
XYZ(17.7826, 29.5829, 41.9709)
contains.

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Color

**XYZ(21.4426, 31.5766,
42.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	00AAA8
RGB	0, 170, 168
RGB Percent	0%, 67%, 66%
CMY	0.9999, 0.3333, 0.3412
CMYK	1.00, 0.00, 0.01, 0.33
HSL	179°, 100%, 33%
HSV	179°, 100%, 67%
XYZ	21.4426, 31.5766, 42.0105
YIQ	118.9420, -100.6780, -36.6620

Conversions

Conversions Part 2

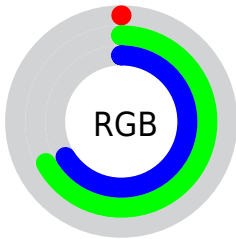
Format	Color
RYB	0, 86, 170
Decimal	43688
CIELab	62.99, -36.10, -9.41
CIELCh	63, 37.306, 194.607
Yxy	31.5766, 0.2256, 0.3323
Android (android.graphics.Color)	4278233768 (0xFF00AAA8)
YUV	118.9420, 24.1856, -104.3121
Hunter-Lab	56.1931, -30.2244, -4.9907

Details

The XYZ color **21.4426, 31.5766, 42.0105** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.5896, 8.5514, 0.8346**, and the grayscale version is **17.4682, 18.3779, 20.0135**.

A 20% lighter version of the original color is **45.3395, 62.2072, 79.4296**, and **9.5137, 13.9835, 18.7207** is the 20% darker color. If you saturate the color by 10%, you get **21.4431, 31.5776, 42.0111**, and if you desaturate by 10%, it is **21.6936, 31.7045, 42.1204**.

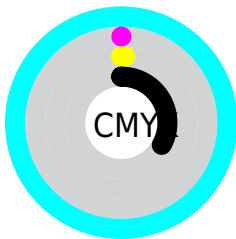
Distribution



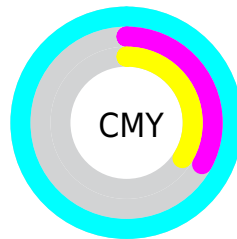
- Red (0%)
- Green (67%)
- Blue (66%)



- Red (0%)
- Yellow (34%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4426, 31.5766, 42.0105 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 21.4426, 31.5766, 42.0105 by changing the saturation by 10% instead.


 21.4426, 31.5766,
42.0105

 21.4426, 31.5766,
42.0105


252.3088,
309.1860, 370.3274


 13.5622, 21.0383,
28.7839

 45.3087, 62.1467,
79.4858


 7.8965, 13.1520,
18.6732


 62.0252, 82.9474,
104.5715


 4.0800, 7.5333,
11.2600


 82.4177, 107.9376,
134.4474

 1.7475, 3.7978,
6.1256

 106.8517,
137.5018, 169.5319

 0.4857, 1.5611,
2.8516

 135.6924,
172.0243, 210.2436

 0.0000, 0.3312,
1.0194

 169.3053,

 0.0000, 0.0000,

211.8896, 257.0011

0.0000

208.0556,
257.4820, 310.2228

■ 21.4426, 31.5766,
42.0105

■ 21.4426, 31.5766,
42.0105

■ 21.4431, 31.5776,
42.0111

■ 21.6936, 31.7045,
42.1204

■ 22.1412, 31.9331,
42.2389

■ 22.8661, 32.3046,
42.3706

■ 23.9041, 32.8376,
42.5170

■ 25.2859, 33.5478,
42.6798

■ 27.0387, 34.4492,
42.8600

■ 29.1865, 35.5543,
43.0588

■ 31.7518, 36.8745,
43.2774

■ 34.7552, 38.4206,
43.5165

Harmonies

Analogous

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



21.4706, 31.5766, 27.4142



21.4426, 31.5766, 42.0105



23.5228, 31.5766, 58.2837

Triad

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



21.4426, 31.5766, 42.0105



37.4872, 31.5766, 58.6738



32.7081, 31.5766, 13.7022

Complementary

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



21.4426, 31.5766, 42.0105



16.5896, 8.5514, 0.8346

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.



37.5982, 31.5766, 18.1125



21.4426, 31.5766, 42.0105



40.5642, 31.5766, 42.4394

Square

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



21.4426, 31.5766, 42.0105



32.5700, 31.5766, 69.6091



40.6070, 31.5766, 27.7371



27.5927, 31.5766, 13.6480

Rectangle

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



21.4426, 31.5766, 42.0105



25.9778, 31.5766, 66.7426



40.6070, 31.5766, 27.7371



34.4449, 31.5766, 14.6527

Sweetspot

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



21.4436, 31.5778, 42.0113



52.7157, 64.3847, 78.1020



14.4112, 28.7689, 4.7943



11.3838, 14.1666, 17.3833



82.5889, 86.8899, 94.6231



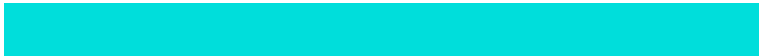
15.4596, 16.2647, 17.7123

Same Dimension

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



21.4436, 31.5778, 42.0113



38.8990, 57.2899, 76.1899



10.7337, 9.8573, 39.3684



7.7437, 8.5305, 9.6364



15.7749, 23.2287, 30.9110



0.3850, 0.5656, 0.7582

Inverse Universe

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



16.5896, 8.5514, 0.8346



30.0926, 15.5116, 1.4830



19.6094, 14.6087, 1.7871



7.5346, 7.5437, 7.8662



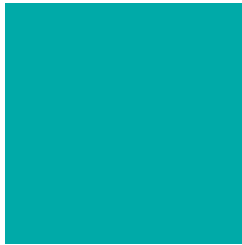
12.2042, 6.2904, 0.6209



0.2980, 0.1535, 0.0208

Previews

White Background



This preview shows how the XYZ color 21.4426, 31.5766, 42.0105 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.4426, 31.5766, 42.0105 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

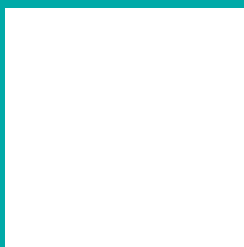
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4426, 31.5766, 42.0105

Background



This preview shows how black text looks on a background with the XYZ color 21.4426, 31.5766, 42.0105.

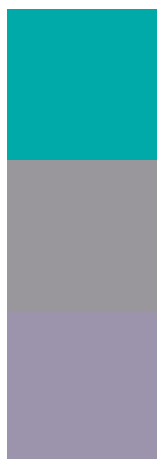


This preview shows how white text looks on a background with the XYZ color 21.4426, 31.5766,

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

21.4426, 31.5766, 42.0105

Protanopia

30.2042, 31.3058, 35.9032

Deuteranopia

31.8430, 31.2649, 43.8916



Tritanopia

23.0733, 31.7060, 49.1597

Trichromacy



Original Color

21.4426, 31.5766, 42.0105

Protanomaly

23.5018, 29.5332, 37.7195

Deuteranomaly

24.3847, 29.3699, 42.9118

Tritanomaly

22.4330, 31.7097, 46.5332

Monochromacy



Original Color

21.4426, 31.5766, 42.0105

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.5843, 21.5196, 26.9465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4426, 31.5766, 42.0105 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, 170, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 168)  
}
```

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, 170, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 168) }
```

Border

The CSS property to change the border of an element to XYZ 21.4426, 31.5766, 42.0105 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, 170, 168) }
```


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

```
.border{ border-color:rgb(0, 170, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4426, 31.5766, 42.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 168) }
```

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

```
.background{ background-color: rgb(0, 170,  
168) }
```

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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