

Converting Colors

XYZ(21.6229, 32.2541, 41.0938)

Have a look what the booklet for
XYZ(21.6229, 32.2541, 41.0938)
contains.

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Color

**XYZ(21.6355, 32.2582,
41.1625)**

Conversions

Conversions Part 1

Format	Color
Hex	00ACA6
RGB	0, 172, 166
RGB Percent	0%, 67%, 65%
CMY	0.9999, 0.3255, 0.3490
CMYK	1.00, 0.00, 0.03, 0.33
HSL	178°, 100%, 34%
HSV	178°, 100%, 67%
XYZ	21.6355, 32.2582, 41.1625
YIQ	119.8880, -100.5860, -38.3300

Conversions

Conversions Part 2

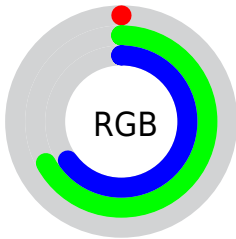
Format	Color
RYB	0, 88, 172
Decimal	44198
CIELab	63.56, -37.62, -7.45
CIELCh	64, 38.353, 191.199
Yxy	32.2582, 0.2276, 0.3394
Android (android.graphics.Color)	4278234278 (0xFF00ACA6)
YUV	119.8880, 22.7332, -105.1418
Hunter-Lab	56.7963, -31.3973, -3.2124

Details

The XYZ color **21.6355, 32.2582, 41.1625** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.0472, 8.7849, 0.9705**, and the grayscale version is **17.7732, 18.6988, 20.3630**.

A 20% lighter version of the original color is **45.6184, 63.1941, 78.1999**, and **9.6341, 14.4086, 18.1929** is the 20% darker color. If you saturate the color by 10%, you get **21.6359, 32.2591, 41.1627**, and if you desaturate by 10%, it is **21.9266, 32.4026, 41.4650**.

Distribution



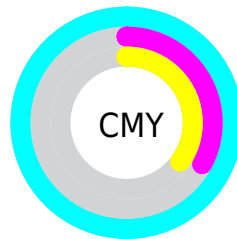
- Red (0%)
- Green (67%)
- Blue (65%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6355, 32.2582, 41.1625 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 21.6355, 32.2582, 41.1625 by changing the saturation by 10% instead.


 21.6355, 32.2582,
41.1625


 21.6355, 32.2582,
41.1625

253.3051,
312.2938, 366.6961


 13.7044, 21.5588,
28.1254


 45.6262, 63.2156,
78.1869


 7.9957, 13.5331,
18.1804


 62.4165, 84.2425,
103.0112


 4.1440, 7.7966,
10.9088


 82.8905, 109.4806,
132.6018

 1.7839, 3.9651,
5.8921

 107.4138,
139.3143, 167.3770

 0.5079, 1.6541,
2.7119

 136.3515,
174.1281, 207.7555

 0.0000, 0.3936,
0.9494

 170.0690,

 0.0000, 0.0000,

214.3064, 254.1559

0.0000

208.9318,
260.2334, 306.9965

■ 21.6355, 32.2582,
41.1625

■ 21.6355, 32.2582,
41.1625

■ 21.6359, 32.2591,
41.1627

■ 21.9266, 32.4026,
41.4650

■ 22.4208, 32.6510,
41.7776

■ 23.1999, 33.0462,
42.1049

■ 24.3010, 33.6074,
42.4486

■ 25.7558, 34.3508,
42.8102

■ 27.5919, 35.2908,
43.1910

■ 29.8344, 36.4403,
43.5922

■ 32.5062, 37.8111,
44.0148

■ 35.6286, 39.4141,
44.4598

Harmonies

Analogous

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



21.9165, 32.2582, 26.4585



21.6355, 32.2582, 41.1625



23.5530, 32.2582, 58.3239

Triad

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



21.6355, 32.2582, 41.1625



37.9481, 32.2582, 62.2831



34.0968, 32.2582, 13.9640

Complementary

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



21.6355, 32.2582, 41.1625



17.0472, 8.7849, 0.9705

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.



39.0707, 32.2582, 19.0718



21.6355, 32.2582, 41.1625



41.4666, 32.2582, 45.5001

Square

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



21.6355, 32.2582, 41.1625



32.7023, 32.2582, 72.6776



41.8998, 32.2582, 29.7064



28.7054, 32.2582, 13.4245

Rectangle

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



21.6355, 32.2582, 41.1625



25.9665, 32.2582, 67.7848



41.8998, 32.2582, 29.7064



35.8885, 32.2582, 15.1148

Sweetspot

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



21.6365, 32.2594, 41.1633



53.8751, 65.9794, 79.0386



14.8612, 29.5618, 4.9237



11.3322, 14.1460, 17.1117



82.5889, 86.8899, 94.6231



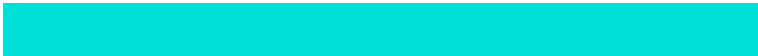
15.4596, 16.2647, 17.7123

Same Dimension

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



21.6365, 32.2594, 41.1633



39.2317, 58.5139, 74.5787



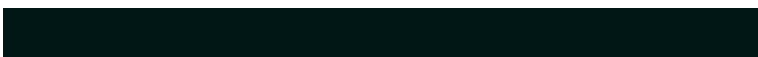
11.5049, 11.0945, 40.5660



8.2241, 9.0672, 10.2050



16.1045, 24.0071, 30.6539



0.4517, 0.6693, 0.8720

Inverse Universe

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



17.0472, 8.7849, 0.9705



30.9075, 15.9284, 1.6704



19.6974, 14.1378, 1.6917



8.0162, 8.0197, 8.3959



12.6894, 6.5383, 0.7440



0.3566, 0.1833, 0.0396

Previews

White Background



This preview shows how the XYZ color 21.6355, 32.2582, 41.1625 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 21.6355, 32.2582, 41.1625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

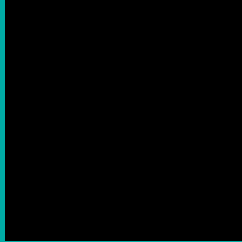
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

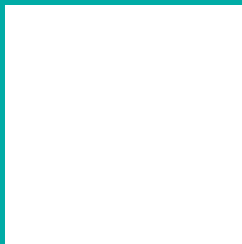
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6355, 32.2582, 41.1625

Background



This preview shows how black text looks on a background with the XYZ color 21.6355, 32.2582, 41.1625.

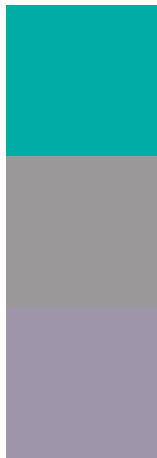


This preview shows how white text looks on a background with the XYZ color 21.6355, 32.2582,

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

21.6355, 32.2582, 41.1625

Protanopia

30.5785, 31.7581, 35.0901

Deuteranopia

32.3962, 31.8061, 42.9598



Tritanopia

23.4628, 32.1699, 49.7725

Trichromacy



Original Color

21.6355, 32.2582, 41.1625



Protanomaly

23.7153, 29.9175, 36.8725



Deuteranomaly

24.5852, 29.7452, 41.9817



Tritanomaly

22.6639, 32.1059, 46.5975

Monochromacy



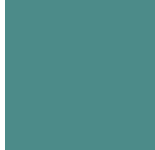
Original Color

21.6355, 32.2582, 41.1625



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.7285, 21.8079, 26.9946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6355, 32.2582, 41.1625 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, 172, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 166)  
}
```

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, 172, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.6355, 32.2582, 41.1625 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, 172, 166) }
```


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

```
.border{ border-color:rgb(0, 172, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6355, 32.2582, 41.1625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 166) }
```

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

```
.background{ background-color: rgb(0, 172,  
166) }
```

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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