

Converting Colors

XYZ(12.5858, 29.1355, 40.0616)

Have a look what the booklet for
XYZ(12.5858, 29.1355, 40.0616)
contains.

| | |
|--|----|
| XYZ(22.4230, 34.1246, 40.5269) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(22.4230, 34.1246,
40.5269)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00B1A4 |
| RGB | 0, 177, 164 |
| RGB Percent | 0%, 69%, 64% |
| CMY | 0.9999, 0.3059, 0.3569 |
| CMYK | 1.00, 0.00, 0.07, 0.31 |
| HSL | 176°, 100%, 35% |
| HSV | 176°, 100%, 69% |
| XYZ | 22.4230, 34.1246, 40.5269 |
| YIQ | 122.5950, -101.3190, -41.5670 |

Conversions

Conversions Part 2

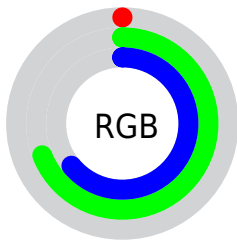
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 92, 177 |
| Decimal | 45476 |
| CIELab | 65.06, -40.45, -4.10 |
| CIELCh | 65, 40.660, 185.794 |
| Yxy | 34.1246, 0.2310, 0.3515 |
| Android (android.graphics.Color) | 4278235556 (0xFF00B1A4) |
| YUV | 122.5950, 20.4127, -107.5158 |
| Hunter-Lab | 58.4163, -33.7115, -0.2417 |

Details

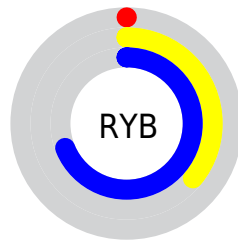
The XYZ color **22.4230, 34.1246, 40.5269** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.2052, 9.3772, 1.2323**, and the grayscale version is **18.6558, 19.6273, 21.3741**.

A 20% lighter version of the original color is **46.8549, 65.9337, 77.2748**, and **10.0076, 15.3358, 17.7619** is the 20% darker color. If you saturate the color by 10%, you get **22.4234, 34.1256, 40.5266**, and if you desaturate by 10%, it is **22.7861, 34.2989, 41.1609**.

Distribution



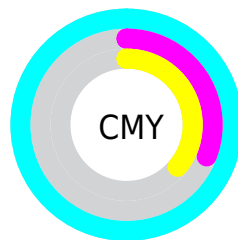
- Red (0%)
- Green (69%)
- Blue (64%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4230, 34.1246, 40.5269 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 22.4230, 34.1246, 40.5269 by changing the saturation by 10% instead.

■ 22.4230, 34.1246,
40.5269

■ 22.4230, 34.1246,
40.5269

■ 257.3384,
320.6873, 363.9573

■ 14.2864, 22.9893,
27.6327

■ 46.9178, 66.1274,
77.2110

■ 8.4032, 14.5856,
17.8123

■ 64.0067, 87.7637,
101.8380

■ 4.4079, 8.5291,
10.6473

■ 84.8104, 113.6691,
131.2131

■ 1.9354, 4.4353,
5.7190

■ 109.6943,
144.2281, 165.7546

■ 0.5973, 1.9199,
2.6090

■ 139.0236,
179.8250, 205.8813

■ 0.0000, 0.5603,
0.8971

■ 173.1639,

■ 0.0000, 0.0000,

220.8443, 252.0116

0.0000

212.4804,
267.6702, 304.5641

■ 22.4230, 34.1246,
40.5269

■ 22.4230, 34.1246,
40.5269

■ 22.4234, 34.1256,
40.5266

■ 22.7861, 34.2989,
41.1609

■ 23.3688, 34.5855,
41.8107

■ 24.2566, 35.0293,
42.4810

■ 25.4893, 35.6507,
43.1739

■ 27.1011, 36.4674,
43.8908

■ 29.1217, 37.4947,
44.6332

■ 31.5779, 38.7465,
45.4023

■ 34.4945, 40.2354,
46.1994

■ 37.8941, 41.9732,
47.0256

Harmonies

Analogous

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



23.1642, 34.1246, 25.3826



22.4230, 34.1246, 40.5269



24.0896, 34.1246, 59.5331

Triad

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



22.4230, 34.1246, 40.5269



39.5181, 34.1246, 70.1548



37.3021, 34.1246, 14.7325

Complementary

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



22.4230, 34.1246, 40.5269



18.2052, 9.3772, 1.2323

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.



42.5131, 34.1246, 21.2333



22.4230, 34.1246, 40.5269



43.8970, 34.1246, 52.1012

Square

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



22.4230, 34.1246, 40.5269



33.5910, 34.1246, 79.6580



45.0543, 34.1246, 33.9772



31.3046, 34.1246, 13.3301

Rectangle

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



22.4230, 34.1246, 40.5269



26.4763, 34.1246, 70.9456



45.0543, 34.1246, 33.9772



39.2254, 34.1246, 16.2718

Sweetspot

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



22.4240, 34.1259, 40.5277



56.2999, 69.2623, 81.2373



15.9162, 31.5451, 5.2508



11.7922, 14.8018, 17.4817



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.4240, 34.1259, 40.5277



40.1224, 61.1016, 72.3905



12.8130, 12.9278, 43.4163



8.7152, 9.6206, 10.7597



16.2557, 24.7283, 29.4130



0.5194, 0.7812, 0.9673

Inverse Universe

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



18.2052, 9.3772, 1.2323



32.5730, 16.7804, 2.0468



20.5656, 14.2142, 1.6606



8.5209, 8.5151, 8.9753



13.1987, 6.7970, 0.9403



0.4236, 0.2172, 0.0734

Previews

White Background



This preview shows how the XYZ color 22.4230, 34.1246, 40.5269 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 22.4230, 34.1246, 40.5269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

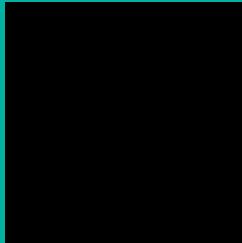
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

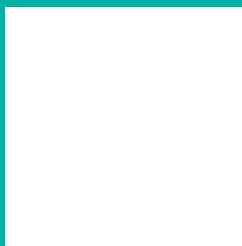
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4230, 34.1246, 40.5269

Background



This preview shows how black text looks on a background with the XYZ color 22.4230, 34.1246, 40.5269.

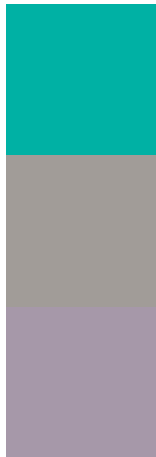


This preview shows how white text looks on a background with the XYZ color 22.4230, 34.1246,

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

22.4230, 34.1246, 40.5269

Protanopia

32.2539, 33.6210, 34.4953

Deuteranopia

34.1156, 33.4280, 42.1903



Tritanopia

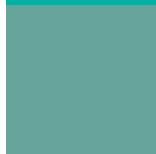
25.1680, 34.3952, 52.8894

Trichromacy



Original Color

22.4230, 34.1246, 40.5269



Protanomaly

24.7557, 31.7760, 36.2811



Deuteranomaly

25.6638, 31.3439, 41.2566



Tritanomaly

23.9186, 34.1476, 47.9783

Monochromacy



Original Color

22.4230, 34.1246, 40.5269



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.5518, 23.0996, 27.5783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4230, 34.1246, 40.5269 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, 177, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 164)  
}
```

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, 177, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 164) }
```

Border

The CSS property to change the border of an element to XYZ 22.4230, 34.1246, 40.5269 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, 177, 164) }
```


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

```
.border{ border-color:rgb(0, 177, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4230, 34.1246, 40.5269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 164) }
```

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

```
.background{ background-color: rgb(0, 177,  
164) }
```

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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