

Converting Colors

XYZ(21.1245, 30.9382, 40.2648)

Have a look what the booklet for
XYZ(21.1245, 30.9382, 40.2648)
contains.

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Color

**XYZ(21.1250, 30.8924,
40.4467)**

Conversions

Conversions Part 1

Format	Color
Hex	16A8A5
RGB	22, 168, 165
RGB Percent	9%, 66%, 65%
CMY	0.9137, 0.3412, 0.3529
CMYK	0.87, 0.00, 0.02, 0.34
HSL	179°, 77%, 37%
HSV	179°, 87%, 66%
XYZ	21.1250, 30.8924, 40.4467
YIQ	124.0040, -86.0530, -31.8850

Conversions

Conversions Part 2

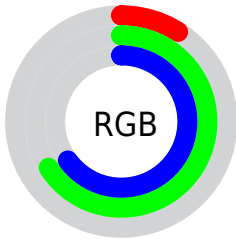
Format	Color
R_{YB}	22, 96, 168
Decimal	1484965
CIE _{Lab}	62.42, -35.13, -8.57
CIE _{LCh}	62, 36.163, 193.708
Yxy	30.8924, 0.2285, 0.3341
Android (android.graphics.Color)	4279675045 (0xFF16A8A5)
YUV	124.0040, 20.2110, -89.4575
Hunter-Lab	55.5809, -29.4230, -4.2392

Details

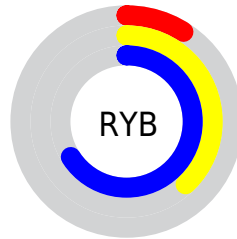
The XYZ color **21.1250, 30.8924, 40.4467** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.6118, 8.9698, 1.7765**, and the grayscale version is **19.1167, 20.1123, 21.9023**.

A 20% lighter version of the original color is **44.8295, 61.1879, 77.1578**, and **9.1114, 13.4537, 17.7394** is the 20% darker color. If you saturate the color by 10%, you get **20.8286, 30.7439, 40.2696**, and if you desaturate by 10%, it is **21.6559, 31.1631, 40.6366**.

Distribution



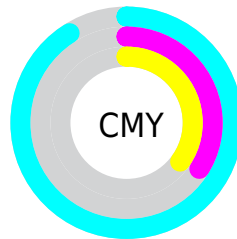
- Red (9%)
- Green (66%)
- Blue (65%)



- Red (9%)
- Yellow (38%)
- Blue (66%)



- Cyan (87%)
- Magenta (0%)
- Yellow (2%)
- Black (34%)



- Cyan (91%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1250, 30.8924, 40.4467 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 21.1250, 30.8924, 40.4467 by changing the saturation by 10% instead.

■ 21.1250, 30.8924,
40.4467

■ 21.1250, 30.8924,
40.4467

250.6612,
306.0423, 363.6107

■ 13.3284, 20.5169,
27.5706

■ 44.7852, 61.0706,
77.0878

■ 7.7336, 12.7714,
17.7660

■ 61.3795, 81.6422,
101.6898

■ 3.9753, 7.2713,
10.6144

■ 81.6370, 106.3812,
131.0375

■ 1.6882, 3.6323,
5.6973

■ 105.9232,
135.6721, 165.5495

■ 0.4489, 1.4701,
2.5961

■ 134.6033,
169.8993, 205.6442

■ 0.0000, 0.2675,
0.8904

■ 168.0428,

■ 0.0000, 0.0000,

209.4471, 251.7403

0.0000

206.6070,
254.7000, 304.2563

■ 21.1250, 30.8924,
40.4467

■ 21.1250, 30.8924,
40.4467

■ 20.8286, 30.7439,
40.2696

■ 21.6559, 31.1631,
40.6366

■ 20.7536, 30.7064,
40.2153

■ 22.4673, 31.5778,
40.8394

■ 23.5931, 32.1545,
41.0573

■ 25.0618, 32.9080,
41.2917

■ 26.8989, 33.8513,
41.5438

■ 29.1271, 34.9964,
41.8146

■ 31.7678, 36.3539,
42.1052

■ 34.8403, 37.9342,
42.4165

■ 38.3630, 39.7465,
42.7492

Harmonies

Analogous

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



21.2134, 30.8924, 26.6187



21.1250, 30.8924, 40.4467



23.0629, 30.8924, 55.9462

Triad

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



21.1250, 30.8924, 40.4467



36.3678, 30.8924, 57.1632



32.0863, 30.8924, 13.8115

Complementary

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



21.1250, 30.8924, 40.4467



16.6118, 8.9698, 1.7765

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.



36.7155, 30.8924, 18.2209



21.1250, 30.8924, 40.4467



39.3691, 30.8924, 41.7908

Square

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



21.1250, 30.8924, 40.4467



31.6528, 30.8924, 67.2630



39.5030, 30.8924, 27.6373



27.1851, 30.8924, 13.6382

Rectangle

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



21.1250, 30.8924, 40.4467



25.3825, 30.8924, 64.1022



39.5030, 30.8924, 27.6373



33.7378, 30.8924, 14.7770

Sweetspot

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



21.1259, 30.8936, 40.4474



53.0391, 63.5993, 75.8978



14.5969, 28.2955, 5.4521



11.2494, 13.7021, 16.5061



80.6108, 84.8088, 92.3568



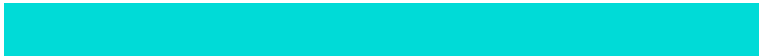
14.7206, 15.4872, 16.8656

Same Dimension

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



21.1259, 30.8936, 40.4474



37.6488, 55.7153, 72.9194



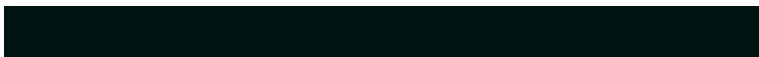
11.9445, 12.0884, 38.7507



7.7408, 8.5294, 9.6211



15.6742, 23.1884, 30.3809



0.3834, 0.5650, 0.7498

Inverse Universe

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



16.6118, 8.9698, 1.7765



29.3285, 15.1165, 1.5015



19.9621, 15.7195, 2.7419



7.5371, 7.5447, 7.8797



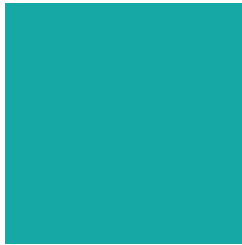
12.2113, 6.2932, 0.6584



0.2990, 0.1539, 0.0260

Previews

White Background



This preview shows how the XYZ color 21.1250, 30.8924, 40.4467 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 21.1250, 30.8924, 40.4467 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

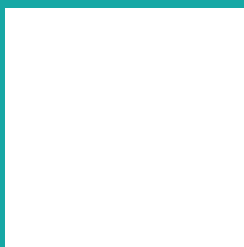
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1250, 30.8924, 40.4467

Background



This preview shows how black text looks on a background with the XYZ color 21.1250, 30.8924, 40.4467.

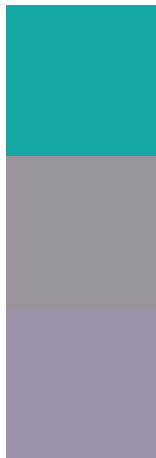


This preview shows how white text looks on a background with the XYZ color 21.1250, 30.8924,

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

21.1250, 30.8924, 40.4467

Protanopia

29.3427, 30.4073, 34.8945

Deuteranopia

31.0522, 30.4286, 42.2669



Tritanopia

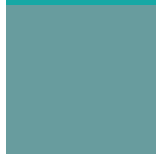
22.6096, 30.9584, 47.4318

Trichromacy



Original Color

21.1250, 30.8924, 40.4467



Protanomaly

23.7689, 29.1886, 36.7290



Deuteranomaly

24.6869, 29.0642, 41.3546



Tritanomaly

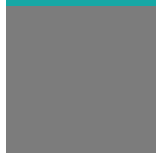
22.0859, 31.0168, 44.8672

Monochromacy



Original Color

21.1250, 30.8924, 40.4467



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.9688, 22.6465, 27.8503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1250, 30.8924, 40.4467 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(22, 168, 165)` looks like.

```
.text, #text, p{  
    color:rgb(22, 168, 165)  
}
```

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(22, 168, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 168, 165) }
```

Border

The CSS property to change the border of an element to XYZ 21.1250, 30.8924, 40.4467 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(22, 168, 165) }
```


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

```
.border{ border-color:rgb(22, 168, 165) }
```

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

Here you see how a box with a 4 pixel rgb(22, 168, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 168, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 168, 165);  
box-shadow:4px 4px 4px 4px rgb(22, 168,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1250, 30.8924, 40.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 168, 165) }
```

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

```
.background{ background-color: rgb(22, 168,  
165) }
```

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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