

Converting Colors

XYZ(21.6131, 31.1335, 40.9466)

Have a look what the booklet for
XYZ(21.6131, 31.1335, 40.9466)
contains.

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Color

**XYZ(21.6131, 31.1335,
40.9466)**

Conversions

Conversions Part 1

Format	Color
Hex	24A8A6
RGB	36, 168, 166
RGB Percent	14%, 66%, 65%
CMY	0.8588, 0.3412, 0.3490
CMYK	0.79, 0.00, 0.01, 0.34
HSL	179°, 65%, 40%
HSV	179°, 79%, 66%
XYZ	21.6131, 31.1335, 40.9466
YIQ	128.3040, -78.0300, -28.6060

Conversions

Conversions Part 2

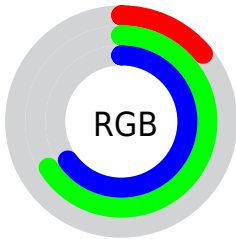
Format	Color
R _Y B	36, 103, 168
Decimal	2402470
CIE Lab	62.62, -33.70, -8.81
CIE LCh	63, 34.828, 194.651
Yxy	31.1335, 0.2307, 0.3323
Android (android.graphics.Color)	4280592550 (0xFF24A8A6)
YUV	128.3040, 18.5841, -80.9506
Hunter-Lab	55.7974, -28.5036, -4.4514

Details

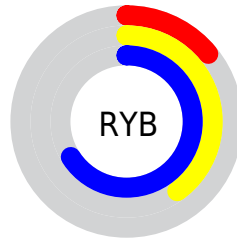
The XYZ color **21.6131, 31.1335, 40.9466** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.1302, 9.7275, 2.8094**, and the grayscale version is **20.5816, 21.6534, 23.5806**.

A 20% lighter version of the original color is **45.6507, 61.5959, 77.8898**, and **9.1680, 13.4764, 18.0376** is the 20% darker color. If you saturate the color by 10%, you get **21.1355, 30.8906, 40.8031**, and if you desaturate by 10%, it is **22.3678, 31.5205, 41.1047**.

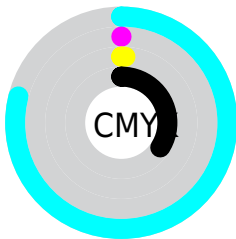
Distribution



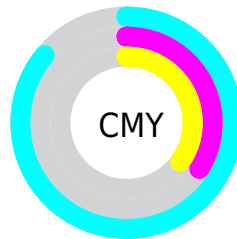
- Red (14%)
- Green (66%)
- Blue (65%)



- Red (14%)
- Yellow (40%)
- Blue (66%)



- Cyan (79%)
- Magenta (0%)
- Yellow (1%)
- Black (34%)





- Cyan (86%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6131, 31.1335, 40.9466 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 21.6131, 31.1335, 40.9466 by changing the saturation by 10% instead.


 21.6131, 31.1335,
40.9466


 21.6131, 31.1335,
40.9466


253.1896,
307.1529, 365.7674


 13.6879, 20.7005,
27.9580


 45.5893, 61.4502,
77.8556


 7.9842, 12.9053,
18.0552


 62.3711, 82.1027,
102.6131


 4.1365, 7.3633,
10.8198


 82.8357, 106.9305,
132.1306

 1.7797, 3.6904,
5.8331

 107.3486,
136.3180, 166.8266

 0.5054, 1.5019,
2.6767

 136.2750,
170.6496, 207.1198

 0.0000, 0.2901,
0.9317

169.9805,

 0.0000, 0.0000,

210.3097, 253.4286

0.0000

208.8302,
255.6826, 306.1717

■ 21.6131, 31.1335,
40.9466

■ 21.6131, 31.1335,
40.9466

■ 21.1355, 30.8906,
40.8031

■ 22.3678, 31.5205,
41.1047

■ 20.8696, 30.7563,
40.6690

■ 23.4307, 32.0658,
41.2769

■ 20.8361, 30.7394,
40.6500

■ 24.8321, 32.7855,
41.4650

■ 26.5977, 33.6930,
41.6705

■ 28.7509, 34.8003,
41.8944

■ 31.3128, 36.1183,
42.1376

■ 34.3035, 37.6573,
42.4011

■ 37.7414, 39.4268,
42.6858

■ 41.6438, 41.4359,
42.9925

Harmonies

Analogous

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



21.6365, 31.1335, 27.4423



21.6131, 31.1335, 40.9466



23.5639, 31.1335, 55.7776

Triad

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



21.6131, 31.1335, 40.9466



36.4776, 31.1335, 56.0922



32.0728, 31.1335, 14.4293

Complementary

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



21.6131, 31.1335, 40.9466



17.1302, 9.7275, 2.8094

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.



36.5681, 31.1335, 18.6521



21.6131, 31.1335, 40.9466



39.2904, 31.1335, 41.2967

Square

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



21.6131, 31.1335, 40.9466



31.9595, 31.1335, 65.9835



39.3252, 31.1335, 27.7105



27.3433, 31.1335, 14.3827

Rectangle

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



21.6131, 31.1335, 40.9466



25.8547, 31.1335, 63.4197



39.3252, 31.1335, 27.7105



33.6720, 31.1335, 15.3442

Sweetspot

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



21.6140, 31.1347, 40.9473



53.9968, 64.0874, 76.1987



15.1288, 28.5497, 6.3831



11.4373, 13.7977, 16.5758



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.



21.6140, 31.1347, 40.9473



37.9954, 55.8734, 73.8660



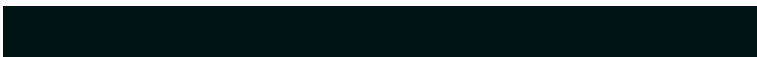
12.7671, 13.1447, 38.9113



7.7426, 8.5301, 9.6305



15.7359, 23.2131, 30.7058



0.3843, 0.5654, 0.7549

Inverse Universe

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



17.1302, 9.7275, 2.8094



29.5454, 15.4368, 1.9238



21.0062, 17.5298, 3.9463



7.5356, 7.5441, 7.8714



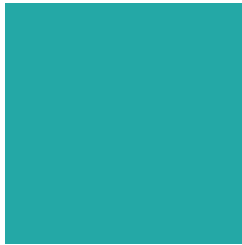
12.2069, 6.2915, 0.6354



0.2984, 0.1536, 0.0228

Previews

White Background



This preview shows how the XYZ color 21.6131, 31.1335, 40.9466 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 21.6131, 31.1335, 40.9466 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

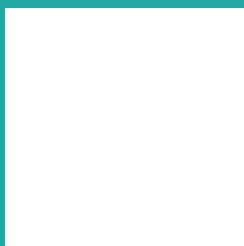
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6131, 31.1335, 40.9466

Background



This preview shows how black text looks on a background with the XYZ color 21.6131, 31.1335, 40.9466.

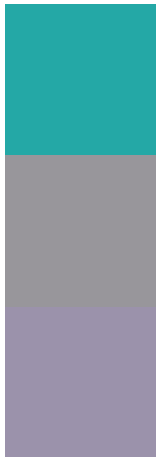


This preview shows how white text looks on a background with the XYZ color 21.6131, 31.1335,

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

21.6131, 31.1335, 40.9466

Protanopia

29.7716, 30.8547, 35.3968

Deuteranopia

31.1471, 30.4666, 42.7671



Tritanopia

22.9452, 31.1314, 47.4475

Trichromacy



Original Color

21.6131, 31.1335, 40.9466

Protanomaly

24.7454, 29.9321, 37.2741

Deuteranomaly

25.3991, 29.4205, 41.8762

Tritanomaly

22.4550, 31.2070, 44.8845

Monochromacy



Original Color

21.6131, 31.1335, 40.9466

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.4243, 24.0308, 29.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6131, 31.1335, 40.9466 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(36, 168, 166)` looks like.

```
.text, #text, p{  
    color:rgb(36, 168, 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(36, 168, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 168, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.6131, 31.1335, 40.9466 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(36, 168, 166) }
```


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

```
.border{ border-color:rgb(36, 168, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 168, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 168, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 168, 166);  
box-shadow:4px 4px 4px 4px rgb(36, 168,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6131, 31.1335, 40.9466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 168, 166) }
```

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

```
.background{ background-color: rgb(36, 168,  
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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