

Converting Colors

XYZ(20.9521, 31.0240, 41.1184)

Have a look what the booklet for
XYZ(20.9521, 31.0240, 41.1184)
contains.

XYZ(21.0709, 31.1291, 40.9744)	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(21.0709, 31.1291,
40.9744)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9A6
RGB	0, 169, 166
RGB Percent	0%, 66%, 65%
CMY	0.9999, 0.3372, 0.3490
CMYK	1.00, 0.00, 0.02, 0.34
HSL	179°, 100%, 33%
HSV	179°, 100%, 66%
XYZ	21.0709, 31.1291, 40.9744
YIQ	118.1270, -99.7610, -36.7610

Conversions

Conversions Part 2

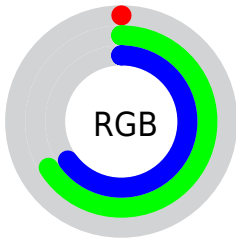
Format	Color
RYB	0, 85, 169
Decimal	43430
CIELab	62.62, -36.25, -8.85
CIElCh	63, 37.317, 193.715
Yxy	31.1291, 0.2261, 0.3341
Android (android.graphics.Color)	4278233510 (0xFF00A9A6)
YUV	118.1270, 23.6014, -103.5974
Hunter-Lab	55.7935, -30.2264, -4.4868

Details

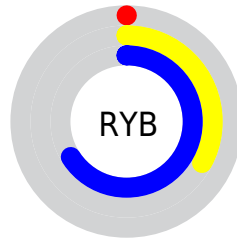
The XYZ color **21.0709, 31.1291, 40.9744** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3796, 8.4426, 0.8533**, and the grayscale version is **17.2135, 18.1099, 19.7217**.

A 20% lighter version of the original color is **44.6957, 61.5038, 77.9223**, and **9.2827, 13.7057, 18.0758** is the 20% darker color. If you saturate the color by 10%, you get **21.0714, 31.1301, 40.9749**, and if you desaturate by 10%, it is **21.3290, 31.2596, 41.1311**.

Distribution



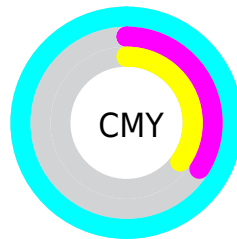
- Red (0%)
- Green (66%)
- Blue (65%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0709, 31.1291, 40.9744 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 21.0709, 31.1291, 40.9744 by changing the saturation by 10% instead.

■ 21.0709, 31.1291,
40.9744

■ 21.0709, 31.1291,
40.9744

250.3796,
307.1326, 365.8871

■ 13.2886, 20.6972,
27.9795

■ 44.6959, 61.4433,
77.8983

■ 7.7059, 12.9028,
18.0713

■ 61.2693, 82.0943,
102.6644

■ 3.9576, 7.3617,
10.8312

■ 81.5037, 106.9205,
132.1913

■ 1.6782, 3.6893,
5.8407

■ 105.7646,
136.3062, 166.8976

■ 0.4425, 1.5013,
2.6813

■ 134.4173,
170.6359, 207.2017

■ 0.0000, 0.2897,
0.9340

■ 167.8271,

■ 0.0000, 0.0000,

210.2940, 253.5224

0.0000

206.3595,
255.6647, 306.2780

■ 21.0709, 31.1291,
40.9744

■ 21.0709, 31.1291,
40.9744

■ 21.0714, 31.1301,
40.9749

■ 21.3290, 31.2596,
41.1311

■ 21.7808, 31.4893,
41.2965

■ 22.5060, 31.8600,
41.4750

■ 23.5403, 32.3900,
41.6684

■ 24.9138, 33.0948,
41.8779

■ 26.6530, 33.9882,
42.1049

■ 28.7820, 35.0826,
42.3505

■ 31.3227, 36.3891,
42.6157

■ 34.2954, 37.9183,
42.9014

Harmonies

Analogous

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



21.1615, 31.1291, 26.6349



21.0709, 31.1291, 40.9744



23.0697, 31.1291, 57.1547

Triad

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



21.0709, 31.1291, 40.9744



36.8695, 31.1291, 58.4214



32.4137, 31.1291, 13.4987

Complementary

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



21.0709, 31.1291, 40.9744



16.3796, 8.4426, 0.8533

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.



37.2296, 31.1291, 17.9955



21.0709, 31.1291, 40.9744



39.9967, 31.1291, 42.3657

Square

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



21.0709, 31.1291, 40.9744



31.9659, 31.1291, 69.0127



40.1355, 31.1291, 27.6807



27.3297, 31.1291, 13.3236

Rectangle

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



21.0709, 31.1291, 40.9744



25.4664, 31.1291, 65.6997



40.1355, 31.1291, 27.6807



34.1304, 31.1291, 14.4804

Sweetspot

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



21.0718, 31.1303, 40.9751



51.3153, 62.7106, 75.8197



14.2594, 28.4134, 4.7336



10.8343, 13.4882, 16.4860



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.



21.0718, 31.1303, 40.9751



37.7277, 55.7469, 73.3349



10.8307, 10.2022, 38.9357



7.7417, 8.5297, 9.6260



15.7062, 23.2012, 30.5491



0.3839, 0.5652, 0.7524

Inverse Universe

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



16.3796, 8.4426, 0.8533



29.3251, 15.1152, 1.4838



19.1504, 14.0105, 1.6958



7.5363, 7.5444, 7.8754



12.2091, 6.2923, 0.6465



0.2987, 0.1537, 0.0243

Previews

White Background



This preview shows how the XYZ color 21.0709, 31.1291, 40.9744 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 21.0709, 31.1291, 40.9744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

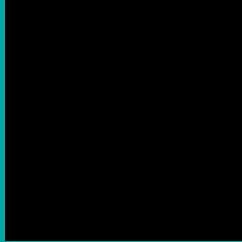
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

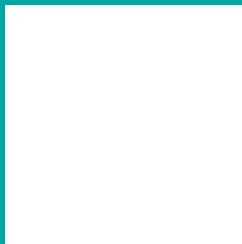
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0709, 31.1291, 40.9744

Background



This preview shows how black text looks on a background with the XYZ color 21.0709, 31.1291, 40.9744.

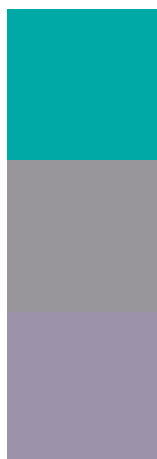


This preview shows how white text looks on a background with the XYZ color 21.0709, 31.1291,

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

21.0709, 31.1291, 40.9744

Protanopia

29.6880, 30.8212, 34.9562

Deuteranopia

31.4947, 30.8756, 42.8277



Tritanopia

22.6841, 31.2561, 48.0175

Trichromacy



Original Color

21.0709, 31.1291, 40.9744

Protanomaly

23.1583, 29.1240, 36.7487

Deuteranomaly

24.0284, 28.9599, 41.8595

Tritanomaly

22.0498, 31.2598, 45.4290

Monochromacy



Original Color

21.0709, 31.1291, 40.9744

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.2205, 21.1364, 26.1465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0709, 31.1291, 40.9744 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, 169, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 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, 169, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 166) }
```

Border

The CSS property to change the border of an element to XYZ 21.0709, 31.1291, 40.9744 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, 169, 166) }
```


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

```
.border{ border-color:rgb(0, 169, 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, 169, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0709, 31.1291, 40.9744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 166) }
```

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

```
.background{ background-color: rgb(0, 169,  
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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