

Converting Colors

XYZ(20.9764, 31.1014, 40.0196)

Have a look what the booklet for
XYZ(20.9764, 31.1014, 40.0196)
contains.

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Color

**XYZ(20.9764, 31.1014,
40.0196)**

Conversions

Conversions Part 1

Format	Color
Hex	07A9A4
RGB	7, 169, 164
RGB Percent	3%, 66%, 64%
CMY	0.9724, 0.3372, 0.3569
CMYK	0.96, 0.00, 0.03, 0.34
HSL	178°, 92%, 35%
HSV	178°, 96%, 66%
XYZ	20.9764, 31.1014, 40.0196
YIQ	119.9920, -94.9470, -35.8990

Conversions

Conversions Part 2

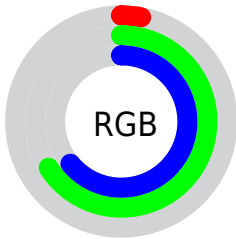
Format	Color
RYB	7, 89, 169
Decimal	502180
CIELab	62.59, -36.61, -7.76
CIELCh	63, 37.418, 191.965
Yxy	31.1014, 0.2278, 0.3377
Android (android.graphics.Color)	4278692260 (0xFF07A9A4)
YUV	119.9920, 21.6959, -99.0940
Hunter-Lab	55.7686, -30.4554, -3.5085

Details

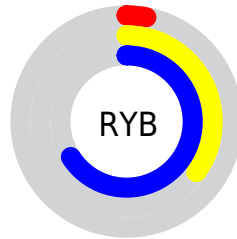
The XYZ color **20.9764, 31.1014, 40.0196** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.5055, 8.6144, 1.1415**, and the grayscale version is **17.8075, 18.7349, 20.4023**.

A 20% lighter version of the original color is **44.6412, 61.5063, 76.5369**, and **9.1700, 13.6606, 17.4827** is the 20% darker color. If you saturate the color by 10%, you get **20.8698, 31.0494, 39.9131**, and if you desaturate by 10%, it is **21.3116, 31.2694, 40.2825**.

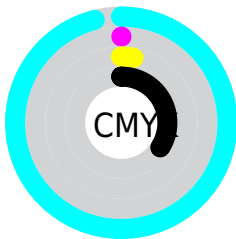
Distribution



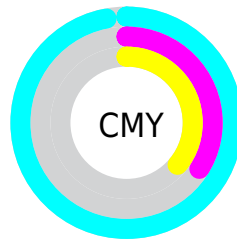
- Red (3%)
- Green (66%)
- Blue (64%)



- Red (3%)
- Yellow (35%)
- Blue (66%)



- Cyan (96%)
- Magenta (0%)
- Yellow (3%)
- Black (34%)




- Cyan (97%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.9764, 31.1014, 40.0196 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 20.9764, 31.1014, 40.0196 by changing the saturation by 10% instead.


 20.9764, 31.1014,
40.0196


 20.9764, 31.1014,
40.0196


249.8871,
307.0052, 361.7607


 13.2191, 20.6761,
27.2399


 44.5398, 61.3997,
76.4308


 7.6576, 12.8874,
17.5195


 61.0767, 82.0414,
100.8994

 3.9266, 7.3511,
10.4397


 81.2708, 106.8574,
130.1013

 1.6607, 3.6826,
5.5820

 105.4874,
136.2321, 164.4552

 0.4315, 1.4977,
2.5280

 134.0921,
170.5498, 204.3795

 0.0000, 0.2871,
0.8549

 167.4500,

 0.0000, 0.0000,

210.1950, 250.2929

0.0000

205.9265,
255.5520, 302.6138

■ 20.9764, 31.1014,
40.0196

■ 20.9764, 31.1014,
40.0196

■ 20.8698, 31.0494,
39.9131

■ 21.3116, 31.2694,
40.2825

■ 21.8916, 31.5630,
40.5572

■ 22.7608, 32.0055,
40.8464

■ 23.9521, 32.6141,
41.1517

■ 25.4941, 33.4035,
41.4745

■ 27.4122, 34.3868,
41.8158

■ 29.7296, 35.5758,
42.1769

■ 32.4673, 36.9816,
42.5586

■ 35.6451, 38.6142,
42.9620

Harmonies

Analogous

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



21.1907, 31.1014, 25.9003



20.9764, 31.1014, 40.0196



22.8593, 31.1014, 56.3002

Triad

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



20.9764, 31.1014, 40.0196



36.6068, 31.1014, 59.2995



32.6984, 31.1014, 13.5799

Complementary

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



20.9764, 31.1014, 40.0196



16.5055, 8.6144, 1.1415

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.



37.4590, 31.1014, 18.3558



20.9764, 31.1014, 40.0196



39.8878, 31.1014, 43.3130

Square

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



20.9764, 31.1014, 40.0196



31.6386, 31.1014, 69.3897



40.2164, 31.1014, 28.3746



27.5763, 31.1014, 13.1661

Rectangle

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



20.9764, 31.1014, 40.0196



25.1919, 31.1014, 65.1520



40.2164, 31.1014, 28.3746



34.4080, 31.1014, 14.6472

Sweetspot

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



20.9773, 31.1026, 40.0203



51.6309, 62.8853, 75.2921



14.3846, 28.4735, 4.9396



10.8884, 13.5190, 16.3530



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.



20.9773, 31.1026, 40.0203



37.3604, 55.5999, 71.4005



11.2004, 10.8115, 39.0338



7.7374, 8.5280, 9.6032



15.5575, 23.1417, 29.7661



0.3815, 0.5642, 0.7399

Inverse Universe

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



16.5055, 8.6144, 1.1415



29.3409, 15.1215, 1.5667



19.4651, 14.5785, 1.9898



7.5401, 7.5459, 7.8956



12.2197, 6.2966, 0.7024



0.3001, 0.1543, 0.0321

Previews

White Background



This preview shows how the XYZ color 20.9764, 31.1014, 40.0196 looks on a white background.

Color Contrast Check

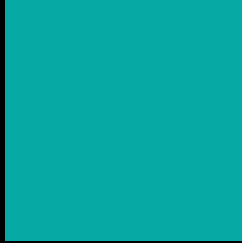
Large Text (above 18pt) WCAG AA × Fail

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 20.9764, 31.1014, 40.0196 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

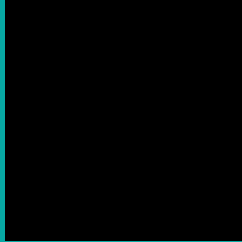
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.9764, 31.1014, 40.0196

Background



This preview shows how black text looks on a background with the XYZ color 20.9764, 31.1014, 40.0196.

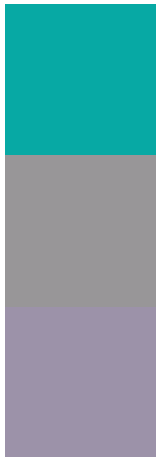


This preview shows how white text looks on a background with the XYZ color 20.9764, 31.1014,

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

20.9764, 31.1014, 40.0196

Protanopia

29.5227, 30.7551, 34.0861

Deuteranopia

31.1506, 30.4903, 41.7795



Tritanopia

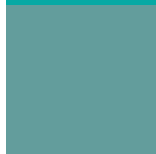
22.7501, 31.2900, 48.0205

Trichromacy



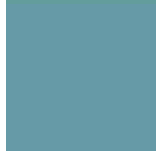
Original Color

20.9764, 31.1014, 40.0196



Protanomaly

23.2033, 29.1669, 35.8593



Deuteranomaly

24.0101, 28.7260, 40.8384



Tritanomaly

22.0435, 31.2679, 44.9179

Monochromacy



Original Color

20.9764, 31.1014, 40.0196



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.7569, 21.6168, 26.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9764, 31.1014, 40.0196 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(7, 169, 164)` looks like.

```
.text, #text, p{  
    color:rgb(7, 169, 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(7, 169, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 169, 164) }
```

Border

The CSS property to change the border of an element to XYZ 20.9764, 31.1014, 40.0196 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(7, 169, 164) }
```


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

```
.border{ border-color:rgb(7, 169, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 169, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 169, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 169, 164);  
box-shadow:4px 4px 4px 4px rgb(7, 169,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9764, 31.1014, 40.0196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 169, 164) }
```

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

```
.background{ background-color: rgb(7, 169,  
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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