

Converting Colors

XYZ(20.0104, 31.6862, 29.1246)

Have a look what the booklet for
XYZ(20.0104, 31.6862, 29.1246)
contains.

XYZ(19.9997, 31.6801, 29.1055)	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(19.9997, 31.6801,
29.1055)**

Conversions

Conversions Part 1

Format	Color
Hex	22AC8A
RGB	34, 172, 138
RGB Percent	13%, 67%, 54%
CMY	0.8666, 0.3255, 0.4588
CMYK	0.80, 0.00, 0.20, 0.33
HSL	165°, 67%, 40%
HSV	165°, 80%, 67%
XYZ	19.9997, 31.6801, 29.1055
YIQ	126.8620, -71.3340, -39.8300

Conversions

Conversions Part 2

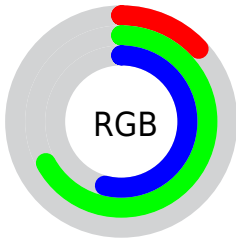
Format	Color
RYB	34, 113, 172
Decimal	2272394
CIELab	63.08, -43.46, 7.51
CIELCh	63, 44.101, 170.201
Yxy	31.6801, 0.2476, 0.3922
Android (android.graphics.Color)	4280462474 (0xFF22AC8A)
YUV	126.8620, 5.4910, -81.4400
Hunter-Lab	56.2851, -35.0727, 8.7402

Details

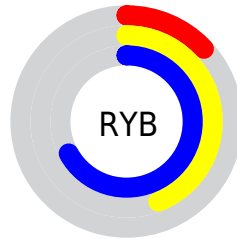
The XYZ color **19.9997, 31.6801, 29.1055** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **18.6299, 10.3330, 6.4831**, and the grayscale version is **20.1261, 21.1742, 23.0587**.

A 20% lighter version of the original color is **42.8563, 62.1914, 59.0356**, and **8.3583, 13.8982, 11.4746** is the 20% darker color. If you saturate the color by 10%, you get **19.2674, 31.3381, 27.5011**, and if you desaturate by 10%, it is **21.0294, 32.1755, 30.7877**.

Distribution



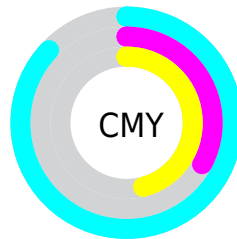
- Red (13%)
- Green (67%)
- Blue (54%)



- Red (13%)
- Yellow (44%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (20%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9997, 31.6801, 29.1055 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 19.9997, 31.6801, 29.1055 by changing the saturation by 10% instead.

■ 19.9997, 31.6801,
29.1055

■ 19.9997, 31.6801,
29.1055

244.7471,
309.6594, 311.7889

■ 12.5031, 21.1173,
18.9144

■ 42.9206, 62.3092,
59.2888

■ 7.1619, 13.2098,
11.4322

■ 59.0757, 83.1444,
80.1182

■ 3.6108, 7.5731,
6.2405

■ 78.8475, 108.1724,
105.3306

■ 1.4844, 3.8230,
2.9207

■ 102.6016,
137.7776, 135.3447

■ 0.3152, 1.5751,
1.0543

■ 130.7032,
172.3446, 170.5791

■ 0.0000, 0.3407,
0.0000

163.5178,

■ 0.0000, 0.0000,

212.2576, 211.4522

0.0000

201.4106,
257.9011, 258.3826

■ 19.9997, 31.6801,
29.1055

■ 19.9997, 31.6801,
29.1055

■ 19.2674, 31.3381,
27.5011

■ 21.0294, 32.1755,
30.7877

■ 18.7569, 31.1076,
26.0019

■ 22.3912, 32.8400,
32.5479

■ 24.1178, 33.6912,
34.3892

■ 26.2374, 34.7434,
36.3133

■ 28.7749, 36.0098,
38.3223

■ 31.7537, 37.5021,
40.4177

■ 35.1949, 39.2313,
42.6014

■ 39.1185, 41.2078,
44.8747

■ 43.5434, 43.4411,
47.2393

Harmonies

Analogous

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



21.9943, 31.6801, 17.1985



19.9997, 31.6801, 29.1055



20.4202, 31.6801, 47.3924

Triad

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



19.9997, 31.6801, 29.1055



34.3301, 31.6801, 76.4093



38.2289, 31.6801, 14.6387

Complementary

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



19.9997, 31.6801, 29.1055



18.6299, 10.3330, 6.4831

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.



42.4656, 31.6801, 24.1783



19.9997, 31.6801, 29.1055



40.0130, 31.6801, 60.6623

Square

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



19.9997, 31.6801, 29.1055



28.1654, 31.6801, 79.1098



43.1592, 31.6801, 40.5102



32.1442, 31.6801, 10.9062

Rectangle

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



19.9997, 31.6801, 29.1055



22.0372, 31.6801, 60.9254



43.1592, 31.6801, 40.5102



39.9491, 31.6801, 17.0853

Sweetspot

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



20.0006, 31.6813, 29.1062



55.2329, 66.8431, 71.7044



17.4614, 30.8689, 6.5521



11.6040, 14.3265, 15.2991



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.0006, 31.6813, 29.1062



34.2569, 56.5370, 47.7953



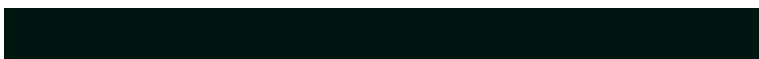
17.1242, 21.3540, 42.2503



8.1507, 9.0378, 9.8186



13.9803, 23.1574, 19.4680



0.4089, 0.6522, 0.6468

Inverse Universe

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



18.6299, 10.3330, 6.4831



31.8331, 16.4546, 6.0638



19.4007, 13.0824, 3.0167



8.0832, 8.0465, 8.7488



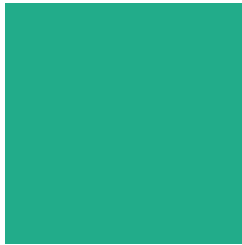
12.9957, 6.6608, 2.3568



0.3832, 0.1940, 0.1796

Previews

White Background



This preview shows how the XYZ color 19.9997, 31.6801, 29.1055 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 19.9997, 31.6801, 29.1055 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

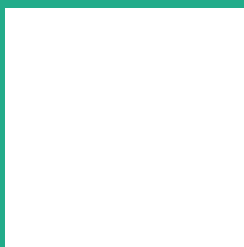
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9997, 31.6801, 29.1055

Background



This preview shows how black text looks on a background with the XYZ color 19.9997, 31.6801, 29.1055.



This preview shows how white text looks on a background with the XYZ color 19.9997, 31.6801,

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

19.9997, 31.6801, 29.1055

Protanopia

29.3946, 31.1391, 24.5399

Deuteranopia

31.6751, 31.0064, 30.7009



Tritanopia

23.7379, 31.5284, 48.0145

Trichromacy



Original Color

19.9997, 31.6801, 29.1055



Protanomaly

23.4343, 30.0124, 26.0306



Deuteranomaly

24.3496, 29.3888, 29.9804



Tritanomaly

22.1594, 31.4257, 40.4952

Monochromacy



Original Color

19.9997, 31.6801, 29.1055



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.4334, 23.6108, 25.0585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9997, 31.6801, 29.1055 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(34, 172, 138)` looks like.

```
.text, #text, p{  
    color:rgb(34, 172, 138)  
}
```

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(34, 172, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 172, 138) }
```

Border

The CSS property to change the border of an element to XYZ 19.9997, 31.6801, 29.1055 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(34, 172, 138) }
```


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

```
.border{ border-color:rgb(34, 172, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 172, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 172, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 172, 138);  
box-shadow:4px 4px 4px 4px rgb(34, 172,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9997, 31.6801, 29.1055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 172, 138) }
```

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

```
.background{ background-color: rgb(34, 172,  
138) }
```

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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