

Converting Colors

XYZ(19.0115, 31.9136, 21.0803)

Have a look what the booklet for
XYZ(19.0115, 31.9136, 21.0803)
contains.

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Color

**XYZ(19.0100, 31.9183,
21.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	27AE72
RGB	39, 174, 114
RGB Percent	15%, 68%, 45%
CMY	0.8470, 0.3176, 0.5529
CMYK	0.78, 0.00, 0.34, 0.32
HSL	153°, 63%, 42%
HSV	153°, 78%, 68%
XYZ	19.0100, 31.9183, 21.0785
YIQ	126.7950, -61.2000, -47.2800

Conversions

Conversions Part 2

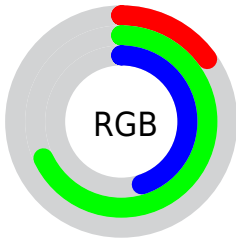
Format	Color
RYB	39, 126, 174
Decimal	2600562
CIELab	63.28, -49.30, 20.98
CIELCh	63, 53.579, 156.943
Yxy	31.9183, 0.2640, 0.4433
Android (android.graphics.Color)	4280790642 (0xFF27AE72)
YUV	126.7950, -6.3079, -76.9962
Hunter-Lab	56.4963, -38.8064, 17.4266

Details

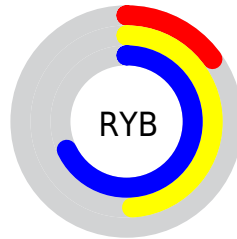
The XYZ color **19.0100, 31.9183, 21.0785** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **20.4343, 11.3513, 12.9198**, and the grayscale version is **20.1393, 21.1881, 23.0739**.

A 20% lighter version of the original color is **41.1236, 62.4110, 45.9555**, and **7.6706, 13.8146, 7.2632** is the 20% darker color. If you saturate the color by 10%, you get **18.0743, 31.4855, 18.8336**, and if you desaturate by 10%, it is **20.2867, 32.5243, 23.5351**.

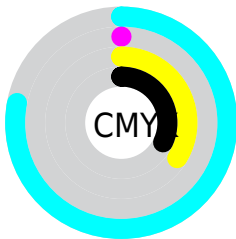
Distribution



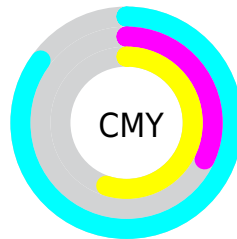
- Red (15%)
- Green (68%)
- Blue (45%)



- Red (15%)
- Yellow (49%)
- Blue (68%)



- Cyan (78%)
- Magenta (0%)
- Yellow (34%)
- Black (32%)





- Cyan (85%)
- Magenta (32%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.0100, 31.9183, 21.0785 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 19.0100, 31.9183, 21.0785 by changing the saturation by 10% instead.


 19.0100, 31.9183,
21.0785


 19.0100, 31.9183,
21.0785

239.4410,
310.7469, 270.4901


 11.7816, 21.2991,
12.9896


 41.2677, 62.6830,
46.1006


 6.6662, 13.3428,
7.2907


 57.0277, 83.5973,
63.8709


 3.2987, 7.6650,
3.5634


 76.3623, 108.7120,
85.7054

 1.3136, 3.8814,
1.3890

 99.6368, 138.4117,
112.0227

 0.1934, 1.6074,
0.1331

 127.2165,
173.0806, 143.2413

 0.0000, 0.3626,
0.0000

159.4669,

 0.0000, 0.0000,

213.1032, 179.7797

0.0000

196.7533,
258.8638, 222.0564

■ 19.0100, 31.9183,
21.0785

■ 19.0100, 31.9183,
21.0785

■ 18.0743, 31.4855,
18.8336

■ 20.2867, 32.5243,
23.5351

■ 17.4192, 31.1923,
16.7906

■ 21.9394, 33.3188,
26.2076

■ 17.2787, 31.1301,
16.3258

■ 24.0012, 34.3198,
29.1027

■ 26.5008, 35.5418,
32.2259

■ 29.4642, 36.9983,
35.5828

■ 32.9153, 38.7014,
39.1785

■ 36.8763, 40.6625,
43.0181

■ 41.3679, 42.8921,
47.1062

■ 46.4098, 45.4005,
51.4477

Harmonies

Analogous

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



22.5433, 31.9183, 11.2538



19.0100, 31.9183, 21.0785



18.2619, 31.9183, 39.9318

Triad

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



19.0100, 31.9183, 21.0785



32.0953, 31.9183, 93.1590



43.2321, 31.9183, 15.5225

Complementary

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



19.0100, 31.9183, 21.0785



20.4343, 11.3513, 12.9198

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.



46.8228, 31.9183, 30.0436



19.0100, 31.9183, 21.0785



39.7480, 31.9183, 78.7213

Square

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



19.0100, 31.9183, 21.0785



25.0845, 31.9183, 87.5534



45.4536, 31.9183, 53.3436



36.2768, 31.9183, 9.0812

Rectangle

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



19.0100, 31.9183, 21.0785



19.3110, 31.9183, 56.7559



45.4536, 31.9183, 53.3436



44.9203, 31.9183, 19.3296

Sweetspot

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



19.0108, 31.9196, 21.0792



55.9480, 68.3437, 67.2125



20.7312, 33.1150, 7.2190



11.9592, 14.9555, 14.4325



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.0108, 31.9196, 21.0792



31.9106, 56.7173, 31.5072



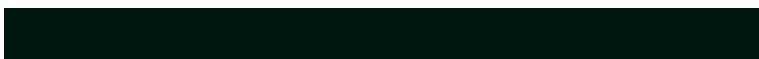
22.3422, 31.2177, 44.8939



8.0837, 9.0110, 9.4658



12.5622, 22.5901, 12.0000



0.3764, 0.6392, 0.4759

Inverse Universe

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



20.4343, 11.3513, 12.9198



34.6443, 17.8092, 16.2766



18.7899, 11.0804, 3.0682



8.1476, 8.0723, 9.0881



13.6698, 6.9305, 5.9068



0.4081, 0.2039, 0.3108

Previews

White Background



This preview shows how the XYZ color 19.0100, 31.9183, 21.0785 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 19.0100, 31.9183, 21.0785 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 19.0100, 31.9183, 21.0785

Background



This preview shows how black text looks on a background with the XYZ color 19.0100, 31.9183, 21.0785.



This preview shows how white text looks on a background with the XYZ color 19.0100, 31.9183,

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

19.0100, 31.9183, 21.0785

Protanopia

29.0879, 31.3689, 17.8863

Deuteranopia

31.8005, 31.2609, 22.1272



Tritanopia

24.2987, 31.8292, 47.5108

Trichromacy



Original Color

19.0100, 31.9183, 21.0785



Protanomaly

22.8853, 30.1463, 18.8000



Deuteranomaly

23.9109, 29.5970, 21.5921



Tritanomaly

21.9080, 31.6723, 35.9690

Monochromacy



Original Color

19.0100, 31.9183, 21.0785



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

18.2054, 23.7846, 22.0437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0100, 31.9183, 21.0785 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(39, 174, 114)` looks like.

```
.text, #text, p{  
    color:rgb(39, 174, 114)  
}
```

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(39, 174, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 174, 114) }
```

Border

The CSS property to change the border of an element to XYZ 19.0100, 31.9183, 21.0785 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(39, 174, 114) }
```


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

```
.border{ border-color:rgb(39, 174, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 174, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 174, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 174, 114);  
box-shadow:4px 4px 4px 4px rgb(39, 174,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0100, 31.9183, 21.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 174, 114) }
```

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

```
.background{ background-color: rgb(39, 174,  
114) }
```

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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