

Converting Colors

XYZ(19.8730, 31.8205, 21.5706)

Have a look what the booklet for
XYZ(19.8730, 31.8205, 21.5706)
contains.

XYZ(19.8294, 31.7581, 21.6078)	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(19.8294, 31.7581,
21.6078)**

Conversions

Conversions Part 1

Format	Color
Hex	3DAC74
RGB	61, 172, 116
RGB Percent	24%, 67%, 45%
CMY	0.7608, 0.3255, 0.5451
CMYK	0.65, 0.00, 0.33, 0.33
HSL	150°, 48%, 46%
HSV	150°, 65%, 67%
XYZ	19.8294, 31.7581, 21.6078
YIQ	132.4270, -48.1800, -40.9480

Conversions

Conversions Part 2

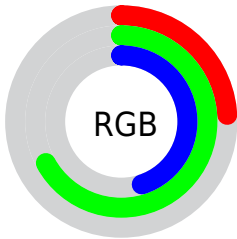
Format	Color
RYB	61, 135, 172
Decimal	4041844
CIELab	63.14, -44.58, 19.79
CIElCh	63, 48.781, 156.059
Yxy	31.7581, 0.2709, 0.4339
Android (android.graphics.Color)	4282231924 (0xFF3DAC74)
YUV	132.4270, -8.0985, -62.6415
Hunter-Lab	56.3543, -35.8113, 16.7146

Details

The XYZ color **19.8294, 31.7581, 21.6078** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **21.8940, 13.3933, 18.2622**, and the grayscale version is **22.1280, 23.2804, 25.3524**.

A 20% lighter version of the original color is **42.5570, 62.3070, 46.8293**, and **7.6099, 13.5989, 7.5340** is the 20% darker color. If you saturate the color by 10%, you get **18.4543, 31.1057, 19.0308**, and if you desaturate by 10%, it is **21.5929, 32.6070, 24.4506**.

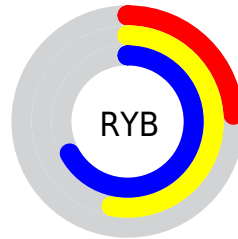
Distribution



Red (24%)

Green (67%)

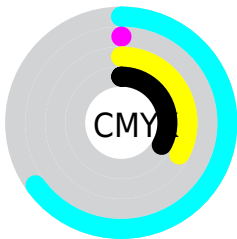
Blue (45%)



Red (24%)

Yellow (53%)

Blue (67%)

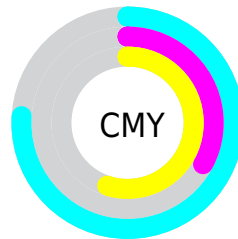


Cyan (65%)

Magenta (0%)

Yellow (33%)

Black (33%)



Cyan (76%)

Magenta (33%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8294, 31.7581, 21.6078 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 19.8294, 31.7581, 21.6078 by changing the saturation by 10% instead.

■ 19.8294, 31.7581,
21.6078

■ 19.8294, 31.7581,
21.6078

243.8413,
310.0158, 273.3776

■ 12.3786, 21.1768,
13.3734

■ 42.6371, 62.4317,
46.9908

■ 7.0761, 13.2533,
7.5525

■ 58.7248, 83.2927,
64.9765

■ 3.5565, 7.6032,
3.7263

■ 78.4221, 108.3492,
87.0497

■ 1.4544, 3.8421,
1.4764

■ 102.0944,
137.9854, 113.6290

■ 0.2945, 1.5856,
0.2003

■ 130.1072,
172.5858, 145.1328

■ 0.0000, 0.3479,
0.0000

162.8257,

■ 0.0000, 0.0000,

212.5347, 181.9799

0.0000

200.6152,
258.2166, 224.5886

■ 19.8294, 31.7581,
21.6078

■ 19.8294, 31.7581,
21.6078

■ 18.4543, 31.1057,
19.0308

■ 21.5929, 32.6070,
24.4506

■ 17.4299, 30.6279,
16.7090

■ 23.7728, 33.6641,
27.5648

■ 16.7149, 30.3045,
14.6342

■ 26.3974, 34.9447,
30.9588

■ 16.4017, 30.1656,
13.5993

■ 29.4916, 36.4616,
34.6395

■ 33.0785, 38.2264,
38.6140

■ 37.1795, 40.2502,
42.8888

■ 41.8148, 42.5432,
47.4704

■ 47.0035, 45.1151,
52.3649

■ 52.7637, 47.9752,
57.5783

Harmonies

Analogous

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



23.1865, 31.7581, 12.4286



19.8294, 31.7581, 21.6078



19.0526, 31.7581, 38.6435

Triad

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



19.8294, 31.7581, 21.6078



31.5728, 31.7581, 86.1211



41.9101, 31.7581, 17.0211

Complementary

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



19.8294, 31.7581, 21.6078



21.8940, 13.3933, 18.2622

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.



44.9798, 31.7581, 30.8103



19.8294, 31.7581, 21.6078



38.4669, 31.7581, 74.0583

Square

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



19.8294, 31.7581, 21.6078



25.2295, 31.7581, 80.7550



43.6344, 31.7581, 51.9167



35.7506, 31.7581, 10.5528

Rectangle

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



19.8294, 31.7581, 21.6078



19.9827, 31.7581, 53.5635



43.6344, 31.7581, 51.9167



43.3762, 31.7581, 20.7121

Sweetspot

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



19.8302, 31.7594, 21.6085



56.7653, 67.7495, 66.5160



23.1147, 33.7195, 9.7055



11.9512, 14.5340, 14.0251



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.



19.8302, 31.7594, 21.6085



32.6911, 56.0590, 32.8493



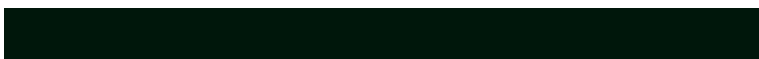
23.9479, 33.4065, 43.2920



8.0637, 9.0030, 9.3606



12.2328, 22.4584, 10.2655



0.3680, 0.6358, 0.4313

Inverse Universe

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



21.8940, 13.3933, 18.2622



36.7199, 20.1906, 26.3061



19.5759, 12.4660, 6.0555



8.1675, 8.0802, 9.1927



13.9618, 7.0473, 7.4445



0.4160, 0.2071, 0.3525

Previews

White Background



This preview shows how the XYZ color 19.8294, 31.7581, 21.6078 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 19.8294, 31.7581, 21.6078 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 19.8294, 31.7581, 21.6078

Background



This preview shows how black text looks on a background with the XYZ color 19.8294, 31.7581, 21.6078.

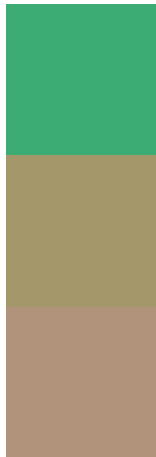


This preview shows how white text looks on a background with the XYZ color 19.8294, 31.7581,

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

19.8294, 31.7581, 21.6078

Protanopia

29.1919, 31.4105, 18.4342

Deuteranopia

31.9232, 31.3100, 22.7733



Tritanopia

24.7910, 31.5591, 46.9044

Trichromacy



Original Color

19.8294, 31.7581, 21.6078



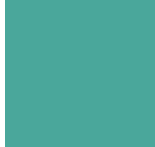
Protanomaly

23.9650, 30.4341, 19.3631



Deuteranomaly

25.1032, 29.9497, 22.2271



Tritanomaly

22.5592, 31.4598, 35.8937

Monochromacy



Original Color

19.8294, 31.7581, 21.6078



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.1435, 25.4380, 23.5870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8294, 31.7581, 21.6078 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(61, 172, 116)` looks like.

```
.text, #text, p{  
    color:rgb(61, 172, 116)  
}
```

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(61, 172, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 172, 116) }
```

Border

The CSS property to change the border of an element to XYZ 19.8294, 31.7581, 21.6078 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(61, 172, 116) }
```


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

```
.border{ border-color:rgb(61, 172, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 172, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 172, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 172, 116);  
box-shadow:4px 4px 4px 4px rgb(61, 172,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8294, 31.7581, 21.6078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 172, 116) }
```

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

```
.background{ background-color: rgb(61, 172,  
116) }
```

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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