

Converting Colors

XYZ(21.7674, 31.8162, 17.2989)

Have a look what the booklet for
XYZ(21.7674, 31.8162, 17.2989)
contains.

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Color

**XYZ(21.7184, 31.7116,
17.2882)**

Conversions

Conversions Part 1

Format	Color
Hex	65A865
RGB	101, 168, 101
RGB Percent	40%, 66%, 40%
CMY	0.6039, 0.3412, 0.6039
CMYK	0.40, 0.00, 0.40, 0.34
HSL	120°, 28%, 53%
HSV	120°, 40%, 66%
XYZ	21.7184, 31.7116, 17.2882
YIQ	140.3290, -18.4250, -35.0410

Conversions

Conversions Part 2

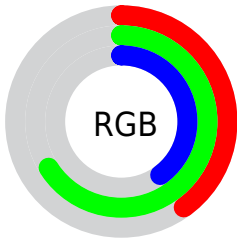
Format	Color
RYB	101, 168, 168
Decimal	6662245
CIELab	63.10, -35.29, 28.09
CIElCh	63, 45.099, 141.481
Yxy	31.7116, 0.3071, 0.4484
Android (android.graphics.Color)	4284852325 (0xFF65A865)
YUV	140.3290, -19.3892, -34.4915
Hunter-Lab	56.3131, -29.7053, 21.2170

Details

The XYZ color **21.7184, 31.7116, 17.2882** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **27.8710, 20.4598, 39.5268**, and the grayscale version is **25.1342, 26.4431, 28.7966**.

A 20% lighter version of the original color is **45.9230, 62.5798, 39.7957**, and **7.9923, 13.1469, 5.4845** is the 20% darker color. If you saturate the color by 10%, you get **19.2855, 30.5439, 13.3082**, and if you desaturate by 10%, it is **24.7057, 33.1475, 22.1738**.

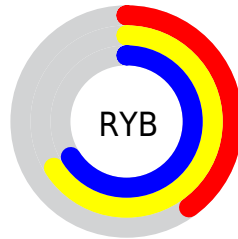
Distribution



Red (40%)

Green (66%)

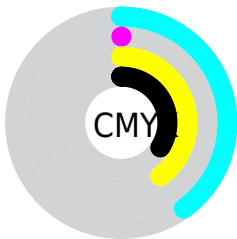
Blue (40%)



Red (40%)

Yellow (66%)

Blue (66%)

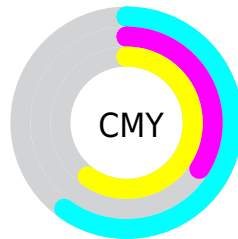


Cyan (40%)

Magenta (0%)

Yellow (40%)

Black (34%)



Cyan (60%)

Magenta (34%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7184, 31.7116, 17.2882 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 21.7184, 31.7116, 17.2882 by changing the saturation by 10% instead.

■ 21.7184, 31.7116,
17.2882

■ 21.7184, 31.7116,
17.2882

253.7322,
309.8034, 248.9277

■ 13.7656, 21.1413,
10.2761

■ 45.7625, 62.3587,
39.6180

■ 8.0384, 13.2273,
5.4744

■ 62.5844, 83.2043,
55.7728

■ 4.1715, 7.5853,
2.4646

■ 83.0934, 108.2438,
75.8123

■ 1.7996, 3.8307,
0.8213

■ 107.6549,
137.8616, 100.1548

■ 0.5175, 1.5793,
0.0000

136.6341,
172.4420, 129.2191

■ 0.0000, 0.3436,
0.0000

170.3966,

■ 0.0000, 0.0000,

212.3695, 163.4237

0.0000

209.3075,
258.0285, 203.1870

■ 21.7184, 31.7116,
17.2882

■ 21.7184, 31.7116,
17.2882

■ 19.2855, 30.5439,
13.3082

■ 24.7057, 33.1475,
22.1738

■ 17.3707, 29.6242,
10.1762

■ 28.2760, 34.8625,
28.0138

■ 15.9372, 28.9356,
7.8313


■ 32.4590, 36.8718,
34.8557


■ 14.9423, 28.4576,
6.2038


■ 37.2814, 39.1882,
42.7435


■ 14.3356, 28.1662,
5.2115


■ 42.7685, 41.8240,
51.7184


 14.0069, 28.0083,
4.6737

 48.9441, 44.7905,
61.8197

 14.0033, 28.0066,
4.6679

 55.8310, 48.0986,
73.0843

 63.4509, 51.7588,
85.5477

 71.8245, 55.7811,
99.2439

Harmonies

Analogous

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



25.9700, 31.7116, 11.4567



21.7184, 31.7116, 17.2882



19.7926, 31.7116, 29.6988

Triad

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



21.7184, 31.7116, 17.2882



28.4036, 31.7116, 80.6883



42.6962, 31.7116, 23.4431

Complementary

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



21.7184, 31.7116, 17.2882



27.8710, 20.4598, 39.5268

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.



43.5836, 31.7116, 39.8554



21.7184, 31.7116, 17.2882



34.7361, 31.7116, 77.2153

Square

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



21.7184, 31.7116, 17.2882



23.2892, 31.7116, 68.8590



40.5002, 31.7116, 60.5547



38.2197, 31.7116, 14.0648

Rectangle

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



21.7184, 31.7116, 17.2882



19.8738, 31.7116, 41.8047



40.5002, 31.7116, 60.5547



43.4465, 31.7116, 28.1498

Sweetspot

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



21.7192, 31.7129, 17.2889



57.0220, 66.0046, 60.1779



32.5015, 37.2714, 17.7930



12.2189, 14.2855, 12.7736



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.



21.7192, 31.7129, 17.2889



35.3934, 55.6153, 24.8006



23.7083, 32.5086, 27.7634



7.4368, 8.4078, 8.0202



10.5742, 21.1485, 3.5249



0.2573, 0.5145, 0.0858

Inverse Universe

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



27.8710, 20.4598, 39.5268



48.1505, 32.2795, 70.9159



25.1411, 19.3679, 25.1515



7.8419, 7.6666, 9.4848



17.5317, 8.4214, 28.6753



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 21.7184, 31.7116, 17.2882 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 21.7184, 31.7116, 17.2882 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 21.7184, 31.7116, 17.2882

Background



This preview shows how black text looks on a background with the XYZ color 21.7184, 31.7116, 17.2882.



This preview shows how white text looks on a background with the XYZ color 21.7184, 31.7116,

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

21.7184, 31.7116, 17.2882

Protanopia

29.0197, 31.3897, 15.3558

Deuteranopia

31.7830, 31.1152, 17.9664



Tritanopia

27.0874, 31.7650, 43.7333

Trichromacy



Original Color

21.7184, 31.7116, 17.2882

Protanomaly

25.5399, 31.0676, 15.9598

Deuteranomaly

26.8388, 30.4573, 17.5610

Tritanomaly

24.7159, 31.5847, 31.9879

Monochromacy



Original Color

21.7184, 31.7116, 17.2882

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.2764, 27.7547, 23.8691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7184, 31.7116, 17.2882 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(101, 168, 101)` looks like.

```
.text, #text, p{  
    color:rgb(101, 168, 101)  
}
```

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(101, 168, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 168, 101) }
```

Border

The CSS property to change the border of an element to XYZ 21.7184, 31.7116, 17.2882 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(101, 168, 101) }
```


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

```
.border{ border-color:rgb(101, 168, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 168, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 168, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 168, 101);  
box-shadow:4px 4px 4px 4px rgb(101, 168,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7184, 31.7116, 17.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 168, 101) }
```

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

```
.background{ background-color: rgb(101,  
168, 101) }
```

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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