

Converting Colors

XYZ(16.9445, 21.7977, 15.6866)

Have a look what the booklet for
XYZ(16.9445, 21.7977, 15.6866)
contains.

XYZ(16.8881, 21.7145, 15.6131)	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(16.8881, 21.7145,
15.6131)**

Conversions

Conversions Part 1

Format	Color
Hex	678965
RGB	103, 137, 101
RGB Percent	40%, 54%, 40%
CMY	0.5961, 0.4627, 0.6039
CMYK	0.25, 0.00, 0.26, 0.46
HSL	117°, 15%, 47%
HSV	117°, 26%, 54%
XYZ	16.8881, 21.7145, 15.6131
YIQ	122.7300, -8.7080, -18.4040

Conversions

Conversions Part 2

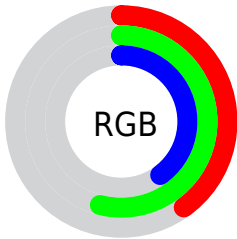
Format	Color
RYB	101, 137, 135
Decimal	6785381
CIELab	53.72, -19.44, 15.53
CIElCh	54, 24.878, 141.375
Yxy	21.7145, 0.3115, 0.4005
Android (android.graphics.Color)	4284975461 (0xFF678965)
YUV	122.7300, -10.7129, -17.3032
Hunter-Lab	46.5988, -16.8569, 12.7538

Details

The XYZ color **16.8881, 21.7145, 15.6131** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.1617, 16.2651, 25.7977**, and the grayscale version is **18.7745, 19.7522, 21.5101**.

A 20% lighter version of the original color is **37.8159, 46.4972, 36.6875**, and **5.6496, 7.8950, 4.7161** is the 20% darker color. If you saturate the color by 10%, you get **14.9011, 20.7620, 12.3035**, and if you desaturate by 10%, it is **19.2179, 22.8321, 19.5239**.

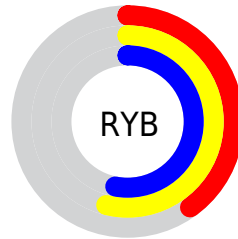
Distribution



Red (40%)

Green (54%)

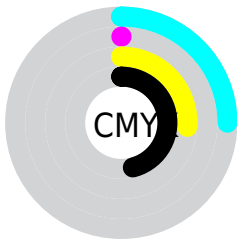
Blue (40%)



Red (40%)

Yellow (54%)

Blue (53%)

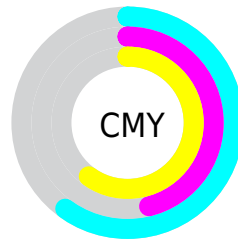


Cyan (25%)

Magenta (0%)

Yellow (26%)

Black (46%)



Cyan (60%)

Magenta (46%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8881, 21.7145, 15.6131 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 16.8881, 21.7145, 15.6131 by changing the saturation by 10% instead.

■ 16.8881, 21.7145,
15.6131

■ 16.8881, 21.7145,
15.6131

227.6955,
261.0517, 238.8150

■ 10.2495, 13.6473,
9.0994

■ 37.6784, 46.2737,
36.6826

■ 5.6283, 7.8757,
4.7084

■ 52.5609, 63.5344,
52.0755

■ 2.6589, 4.0155,
2.0215

■ 70.9220, 84.6284,
71.2652

■ 0.9761, 1.6823,
0.5684

■ 93.1272, 109.9401,
94.6703

■ 0.0000, 0.4121,
0.0000

119.5418,
139.8539, 122.7093

■ 0.0000, 0.0000,
0.0000

150.5312,

174.7542, 155.8007

186.4606,
215.0253, 194.3631

■ 16.8881, 21.7145,
15.6131

■ 16.8881, 21.7145,
15.6131

■ 14.9011, 20.7620,
12.3035

■ 19.2179, 22.8321,
19.5239

■ 13.2391, 19.9641,
9.5639

■ 21.9039, 24.1190,
24.0620

■ 11.8852, 19.3135,
7.3626

■ 24.9606, 25.5831,
29.2539

■ 10.8207, 18.8012,
5.6642

■ 28.4014, 27.2306,
35.1240

■ 10.0242, 18.4171,
4.4289

■ 32.2391, 29.0675,
41.6955

■ 9.4719, 18.1499,
3.6112

■ 36.4858, 31.0997,
48.9905

■ 9.1317, 17.9847,
3.1365

■ 41.1530, 33.3326,
57.0301

■ 9.0413, 17.9413,
2.9865

■ 46.2518, 35.7715,
65.8347

■ 51.7930, 38.4216,
75.4237

Harmonies

Analogous

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



18.8267, 21.7145, 12.4391



16.8881, 21.7145, 15.6131



15.9749, 21.7145, 21.5095

Triad

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



16.8881, 21.7145, 15.6131



19.8798, 21.7145, 41.3285



25.7893, 21.7145, 18.6868

Complementary

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



16.8881, 21.7145, 15.6131



19.1617, 16.2651, 25.7977

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.



26.1326, 21.7145, 25.9139



16.8881, 21.7145, 15.6131



22.5640, 21.7145, 40.1163

Square

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



16.8881, 21.7145, 15.6131



17.6020, 21.7145, 37.0653



24.9078, 21.7145, 34.0411



24.0066, 21.7145, 13.9297

Rectangle

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



16.8881, 21.7145, 15.6131



16.0109, 21.7145, 26.6582



24.9078, 21.7145, 34.0411



26.0826, 21.7145, 20.8649

Sweetspot

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



16.8887, 21.7154, 15.6136



38.2605, 42.7291, 41.4572



21.2748, 23.4756, 15.7222



8.4312, 9.5119, 9.0441



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8887, 21.7154, 15.6136



27.8867, 37.7562, 24.0295



17.5006, 21.9340, 20.0185



4.9959, 5.6206, 5.3740



8.4250, 16.7132, 2.7819



0.0589, 0.1125, 0.0186

Inverse Universe

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



19.1617, 16.2651, 25.7977



32.7229, 26.1538, 45.7067



18.4468, 16.0166, 20.3381



5.2069, 5.1151, 6.3187



12.6982, 6.0603, 22.5462



0.0882, 0.0423, 0.1500

Previews

White Background



This preview shows how the XYZ color 16.8881, 21.7145, 15.6131 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8881, 21.7145, 15.6131 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 × Fail

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

XYZ 16.8881, 21.7145, 15.6131

Background



This preview shows how black text looks on a background with the XYZ color 16.8881, 21.7145, 15.6131.



This preview shows how white text looks on a background with the XYZ color 16.8881, 21.7145,

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

16.8881, 21.7145, 15.6131

Protanopia

20.1934, 21.6198, 14.4180

Deuteranopia

21.9761, 21.5550, 16.0990



Tritanopia

19.5642, 21.7705, 28.7622

Trichromacy



Original Color

16.8881, 21.7145, 15.6131

Protanomaly

18.7784, 21.4744, 14.7105

Deuteranomaly

19.6831, 21.3231, 15.9103

Tritanomaly

18.4193, 21.7083, 23.2980

Monochromacy



Original Color

16.8881, 21.7145, 15.6131

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.0161, 20.3892, 19.2056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8881, 21.7145, 15.6131 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(103, 137, 101)` looks like.

```
.text, #text, p{  
    color:rgb(103, 137, 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(103, 137, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 137, 101) }
```

Border

The CSS property to change the border of an element to XYZ 16.8881, 21.7145, 15.6131 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(103, 137, 101) }
```


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

```
.border{ border-color:rgb(103, 137, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 137, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 137, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 137, 101);  
box-shadow:4px 4px 4px 4px rgb(103, 137,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8881, 21.7145, 15.6131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 137, 101) }
```

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

```
.background{ background-color: rgb(103,  
137, 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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