

Converting Colors

XYZ(16.8297, 20.8331, 16.6024)

Have a look what the booklet for
XYZ(16.8297, 20.8331, 16.6024)
contains.

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Color

**XYZ(16.7630, 20.7982,
16.4956)**

Conversions

Conversions Part 1

Format	Color
Hex	698569
RGB	105, 133, 105
RGB Percent	41%, 52%, 41%
CMY	0.5882, 0.4784, 0.5882
CMYK	0.21, 0.00, 0.21, 0.48
HSL	120°, 12%, 47%
HSV	120°, 21%, 52%
XYZ	16.7630, 20.7982, 16.4956
YIQ	121.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

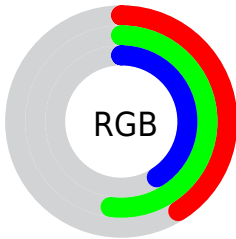
Format	Color
R_{YB}	105, 133, 133
Decimal	6915433
CIE _{Lab}	52.73, -15.84, 11.88
CIE _{LCh}	53, 19.801, 143.141
Yxy	20.7982, 0.3101, 0.3847
Android (android.graphics.Color)	4285105513 (0xFF698569)
YUV	121.4360, -8.1029, -14.4144
Hunter-Lab	45.6050, -14.1978, 10.4780

Details

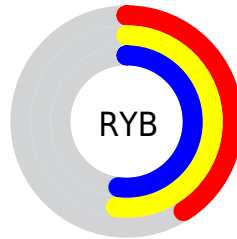
The XYZ color **16.7630, 20.7982, 16.4956** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9587, 16.7835, 24.4314**, and the grayscale version is **18.3428, 19.2981, 21.0156**.

A 20% lighter version of the original color is **37.4643, 44.6862, 38.1032**, and **5.5443, 7.3619, 5.1318** is the 20% darker color. If you saturate the color by 10%, you get **14.6904, 19.8032, 13.1051**, and if you desaturate by 10%, it is **19.1880, 21.9637, 20.4616**.

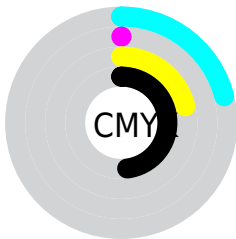
Distribution



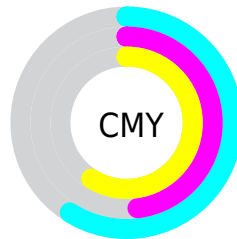
- Red (41%)
- Green (52%)
- Blue (41%)



- Red (41%)
- Yellow (52%)
- Blue (52%)



- Cyan (21%)
- Magenta (0%)
- Yellow (21%)
- Black (48%)



- Cyan (59%)
- Magenta (48%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7630, 20.7982, 16.4956 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 16.7630, 20.7982, 16.4956 by changing the saturation by 10% instead.

■ 16.7630, 20.7982,
16.4956

■ 16.7630, 20.7982,
16.4956

226.9859,
256.2041, 244.1934

■ 10.1599, 12.9766,
9.7174

■ 37.4647, 44.7514,
38.2352

■ 5.5682, 7.4124,
5.1088

■ 52.2940, 61.6518,
54.0336

■ 2.6225, 3.7213,
2.2514

■ 70.5961, 82.3473,
73.6759

■ 0.9574, 1.5189,
0.7038

■ 92.7363, 107.2222,
97.5805

■ 0.0000, 0.3020,
0.0000

119.0801,
136.6609, 126.1660

■ 0.0000, 0.0000,
0.0000

149.9927,

171.0479, 159.8510

185.8395,
210.7675, 199.0539

■ 16.7630, 20.7982,
16.4956

■ 16.7630, 20.7982,
16.4956

■ 14.6904, 19.8032,
13.1051

■ 19.1880, 21.9637,
20.4616

■ 12.9523, 18.9683,
10.2620

■ 21.9790, 23.3043,
25.0267

■ 11.5316, 18.2859,
7.9382

■ 25.1508, 24.8279,
30.2147

■ 10.4092, 17.7467,
6.1023

■ 28.7171, 26.5410,
36.0479

■ 9.5638, 17.3407,
4.7195

■ 32.6906, 28.4497,
42.5472

■ 8.9714, 17.0561,
3.7505

■ 37.0838, 30.5599,
49.7328

■ 8.6039, 16.8796,
3.1493

■ 41.9083, 32.8774,
57.6241

■ 8.3879, 16.7759,
2.7961

■ 47.1756, 35.4076,
66.2395

■ 52.8965, 38.1556,
75.5969

Harmonies

Analogous

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



18.2508, 20.7982, 13.7284



16.7630, 20.7982, 16.4956



16.0878, 20.7982, 21.3167

Triad

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



16.7630, 20.7982, 16.4956



19.2984, 20.7982, 35.8906



23.6418, 20.7982, 18.4708

Complementary

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



16.7630, 20.7982, 16.4956



18.9587, 16.7835, 24.4314

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.



23.9707, 20.7982, 24.0288



16.7630, 20.7982, 16.4956



21.3672, 20.7982, 34.7712

Square

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



16.7630, 20.7982, 16.4956



17.4843, 20.7982, 32.9977



23.1124, 20.7982, 30.1610



22.2425, 20.7982, 14.7226

Rectangle

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



16.7630, 20.7982, 16.4956



16.1537, 20.7982, 25.3260



23.1124, 20.7982, 30.1610



23.8850, 20.7982, 20.1615

Sweetspot

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



16.7636, 20.7991, 16.4961



36.7344, 40.4711, 40.5242



20.6111, 22.7826, 16.6759



8.2172, 9.0895, 9.0336



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.7636, 20.7991, 16.4961



28.2667, 36.4036, 26.6739



17.5436, 21.1111, 20.6035



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6632



0.0277, 0.0554, 0.0092

Inverse Universe

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



18.9587, 16.7835, 24.4314



32.8929, 27.9411, 43.3973



18.0548, 16.4220, 19.6715



4.8579, 4.7628, 5.8640



13.2460, 6.3627, 21.6653



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 16.7630, 20.7982, 16.4956 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 16.7630, 20.7982, 16.4956 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 16.7630, 20.7982, 16.4956

Background



This preview shows how black text looks on a background with the XYZ color 16.7630, 20.7982, 16.4956.



This preview shows how white text looks on a background with the XYZ color 16.7630, 20.7982,

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

16.7630, 20.7982, 16.4956

Protanopia

19.3554, 20.5934, 15.2667

Deuteranopia

21.0457, 20.6867, 17.0711



Tritanopia

18.9349, 20.6819, 27.4201

Trichromacy



Original Color

16.7630, 20.7982, 16.4956

Protanomaly

18.2858, 20.6086, 15.5845

Deuteranomaly

19.1934, 20.4746, 16.8503

Tritanomaly

18.1201, 20.7488, 23.1286

Monochromacy



Original Color

16.7630, 20.7982, 16.4956

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4984, 19.5499, 19.0709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7630, 20.7982, 16.4956 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(105, 133, 105)` looks like.

```
.text, #text, p{  
    color:rgb(105, 133, 105)  
}
```

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(105, 133, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 133, 105) }
```

Border

The CSS property to change the border of an element to XYZ 16.7630, 20.7982, 16.4956 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(105, 133, 105) }
```


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

```
.border{ border-color:rgb(105, 133, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 133, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 133, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 133, 105);  
box-shadow:4px 4px 4px 4px rgb(105, 133,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7630, 20.7982, 16.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 133, 105) }
```

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

```
.background{ background-color: rgb(105,  
133, 105) }
```

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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