

Converting Colors

XYZ(17.6628, 21.8423, 12.7364)

Have a look what the booklet for
XYZ(17.6628, 21.8423, 12.7364)
contains.

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Color

**XYZ(17.6696, 21.7622,
12.7204)**

Conversions

Conversions Part 1

Format	Color
Hex	748759
RGB	116, 135, 89
RGB Percent	45%, 53%, 35%
CMY	0.5451, 0.4706, 0.6510
CMYK	0.14, 0.00, 0.34, 0.47
HSL	85°, 21%, 44%
HSV	85°, 34%, 53%
XYZ	17.6696, 21.7622, 12.7204
YIQ	124.0750, 3.4420, -18.3340

Conversions

Conversions Part 2

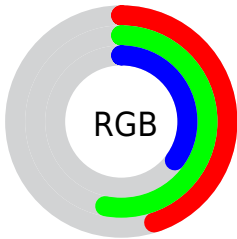
Format	Color
R_{YB}	89, 135, 108
Decimal	7636825
CIE _{Lab}	53.77, -15.38, 22.53
CIE _{LCh}	54, 27.281, 124.329
Yxy	21.7622, 0.3388, 0.4173
Android (android.graphics.Color)	4285826905 (0xFF748759)
YUV	124.0750, -17.2920, -7.0818
Hunter-Lab	46.6500, -14.0270, 16.4879

Details

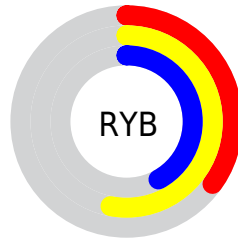
The XYZ color **17.6696, 21.7622, 12.7204** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.1307, 12.0827, 24.5103**, and the grayscale version is **19.2387, 20.2406, 22.0420**.

A 20% lighter version of the original color is **39.0056, 46.2655, 31.3004**, and **5.9993, 7.8647, 3.4873** is the 20% darker color. If you saturate the color by 10%, you get **16.4349, 21.1860, 9.9700**, and if you desaturate by 10%, it is **19.0539, 22.4049, 16.0215**.

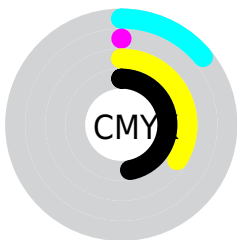
Distribution



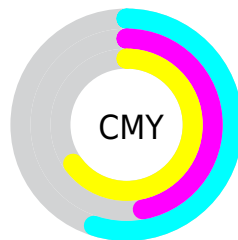
- Red (45%)
- Green (53%)
- Blue (35%)



- Red (35%)
- Yellow (53%)
- Blue (42%)



- Cyan (14%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)



- Cyan (55%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6696, 21.7622, 12.7204 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 17.6696, 21.7622, 12.7204 by changing the saturation by 10% instead.

■ 17.6696, 21.7622,
12.7204

■ 17.6696, 21.7622,
12.7204

232.0839,
261.3019, 220.2624

■ 10.8113, 13.6823,
7.1078

■ 39.0080, 46.3527,
31.4843

■ 6.0064, 7.9000,
3.4502

■ 54.2189, 63.6320,
45.4728

■ 2.8897, 4.0310,
1.3288

■ 72.9446, 84.7465,
63.0903

■ 1.0957, 1.6909,
0.0852

■ 95.5505, 110.0807,
84.7554

■ 0.0215, 0.4178,
0.0000

■ 122.4021,
140.0190, 110.8866

■ 0.0000, 0.0000,
0.0000

153.8646,

174.9457, 141.9025

190.3034,
215.2452, 178.2216

■ 17.6696, 21.7622,
12.7204

■ 17.6696, 21.7622,
12.7204

■ 16.4349, 21.1860,
9.9700

■ 19.0539, 22.4049,
16.0215

■ 15.3416, 20.6706,
7.7388

■ 20.5923, 23.1137,
19.8996

■ 14.3834, 20.2143,
5.9944

■ 22.2908, 23.8919,
24.3811

■ 13.5525, 19.8137,
4.7002

■ 24.1547, 24.7416,
29.4901

■ 12.8400, 19.4652,
3.8144

■ 26.1893, 25.6651,
35.2497

■ 12.2350, 19.1645,
3.2840

■ 28.3992, 26.6643,
41.6817

■ 11.9085, 19.0012,
3.0400

■ 30.7891, 27.7411,
48.8068

■ 33.3633, 28.8973,
56.6449

■ 36.1263, 30.1349,
65.2151

Harmonies

Analogous

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



20.2623, 21.7622, 10.9818



17.6696, 21.7622, 12.7204



16.0146, 21.7622, 17.3756

Triad

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



17.6696, 21.7622, 12.7204



18.3405, 21.7622, 41.3965



26.8200, 21.7622, 22.4991

Complementary

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



17.6696, 21.7622, 12.7204



14.1307, 12.0827, 24.5103

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.



26.1836, 21.7622, 31.3871



17.6696, 21.7622, 12.7204



21.1121, 21.7622, 43.6785

Square

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



17.6696, 21.7622, 12.7204



16.3755, 21.7622, 33.9986



24.0238, 21.7622, 39.6563



25.6895, 21.7622, 15.7174

Rectangle

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



17.6696, 21.7622, 12.7204



15.5735, 21.7622, 22.1379



24.0238, 21.7622, 39.6563



26.8063, 21.7622, 25.3241

Sweetspot

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



17.6702, 21.7632, 12.7209



38.0117, 41.9118, 38.5945



17.0951, 16.4719, 11.7299



8.7183, 9.6674, 8.7161



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.



17.6702, 21.7632, 12.7209



29.8854, 38.1514, 18.8351



15.0430, 20.4088, 12.5979



4.8586, 5.3297, 5.0020



10.9959, 17.5285, 2.8038



0.0464, 0.0650, 0.0101

Inverse Universe

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



14.1307, 12.0827, 24.5103



22.5323, 18.0315, 43.3412



17.2137, 13.6721, 24.6546



4.6032, 4.6315, 5.8521



5.5391, 2.3896, 21.3060



0.0272, 0.0124, 0.0742

Previews

White Background



This preview shows how the XYZ color 17.6696, 21.7622, 12.7204 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 17.6696, 21.7622, 12.7204 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 17.6696, 21.7622, 12.7204

Background



This preview shows how black text looks on a background with the XYZ color 17.6696, 21.7622, 12.7204.



This preview shows how white text looks on a background with the XYZ color 17.6696, 21.7622,

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

17.6696, 21.7622, 12.7204

Protanopia

20.0463, 21.5992, 11.9166

Deuteranopia

21.9636, 21.6140, 13.1395



Tritanopia

20.6788, 21.7755, 27.5393

Trichromacy



Original Color

17.6696, 21.7622, 12.7204

Protanomaly

19.1967, 21.7460, 12.2025

Deuteranomaly

20.1252, 21.4230, 12.9719

Tritanomaly

19.3132, 21.6061, 21.2416

Monochromacy



Original Color

17.6696, 21.7622, 12.7204

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

18.4736, 20.6510, 18.0513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6696, 21.7622, 12.7204 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(116, 135, 89)` looks like.

```
.text, #text, p{  
    color:rgb(116, 135, 89)  
}
```

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(116, 135, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 135, 89) }
```

Border

The CSS property to change the border of an element to XYZ 17.6696, 21.7622, 12.7204 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(116, 135, 89) }
```


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

```
.border{ border-color:rgb(116, 135, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 135, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 135, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 135, 89);  
box-shadow:4px 4px 4px 4px rgb(116, 135,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6696, 21.7622, 12.7204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 135, 89) }
```

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

```
.background{ background-color: rgb(116,  
135, 89) }
```

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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