

Converting Colors

XYZ(16.7422, 21.4721, 22.6435)

Have a look what the booklet for
XYZ(16.7422, 21.4721, 22.6435)
contains.

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Color

**XYZ(16.7672, 21.4958,
22.6674)**

Conversions

Conversions Part 1

Format	Color
Hex	59897D
RGB	89, 137, 125
RGB Percent	35%, 54%, 49%
CMY	0.6510, 0.4627, 0.5098
CMYK	0.35, 0.00, 0.09, 0.46
HSL	165°, 21%, 44%
HSV	165°, 35%, 54%
XYZ	16.7672, 21.4958, 22.6674
YIQ	121.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

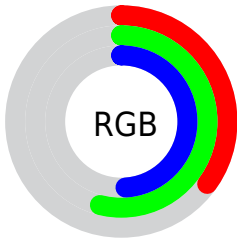
Format	Color
R_{YB}	89, 116, 137
Decimal	5867901
CIE _{Lab}	53.49, -19.10, 1.27
CIE _{LCh}	53, 19.138, 176.188
Yxy	21.4958, 0.2752, 0.3528
Android (android.graphics.Color)	4284057981 (0xFF59897D)
YUV	121.2800, 1.8340, -28.3096
Hunter-Lab	46.3636, -16.5824, 3.4673

Details

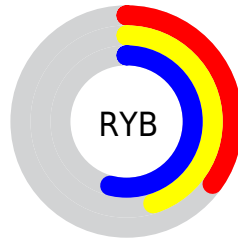
The XYZ color **16.7672, 21.4958, 22.6674** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2387, 13.4034, 14.0442**, and the grayscale version is **18.2650, 19.2162, 20.9265**.

A 20% lighter version of the original color is **37.6512, 46.1387, 49.0407**, and **5.5878, 7.7893, 8.0465** is the 20% darker color. If you saturate the color by 10%, you get **15.3580, 20.7947, 21.4791**, and if you desaturate by 10%, it is **18.4299, 22.3278, 23.9079**.

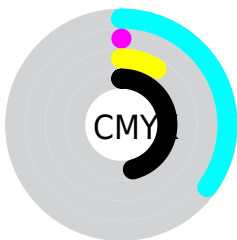
Distribution



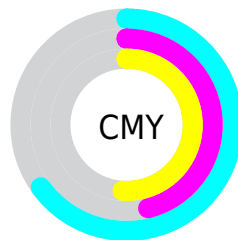
- Red (35%)
- Green (54%)
- Blue (49%)



- Red (35%)
- Yellow (45%)
- Blue (54%)



- Cyan (35%)
- Magenta (0%)
- Yellow (9%)
- Black (46%)



- Cyan (65%)
- Magenta (46%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7672, 21.4958, 22.6674 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 16.7672, 21.4958, 22.6674 by changing the saturation by 10% instead.

■ 16.7672, 21.4958,
22.6674

■ 16.7672, 21.4958,
22.6674

227.0097,
259.9018, 279.0784

■ 10.1629, 13.4869,
14.1451

■ 37.4719, 45.9112,
48.7629

■ 5.5702, 7.7647,
8.0818

■ 52.3030, 63.0866,
67.1731

■ 2.6237, 3.9447,
4.0588

■ 70.6071, 84.0861,
89.7165

■ 0.9580, 1.6427,
1.6577

■ 92.7495, 109.2944,
116.8115

■ 0.0000, 0.3861,
0.3315

119.0956,
139.0957, 148.8766

■ 0.0000, 0.0000,
0.0000

150.0108,

173.8744, 186.3305

185.8604,
214.0150, 229.5915

■ 16.7672, 21.4958,
22.6674

■ 16.7672, 21.4958,
22.6674

■ 15.3580, 20.7947,
21.4791

■ 18.4299, 22.3278,
23.9079

■ 14.1867, 20.2149,
20.3405

■ 20.3569, 23.2946,
25.2001

■ 13.2390, 19.7495,
19.2510

■ 22.5605, 24.4031,
26.5454

■ 12.4981, 19.3898,
18.2093

■ 25.0518, 25.6590,
27.9447

■ 11.9449, 19.1261,
17.2143

■ 27.8413, 27.0677,
29.3989

■ 11.5527, 18.9445,
16.2641

■ 30.9387, 28.6343,
30.9088

■ 11.3815, 18.8662,
15.8073

■ 34.3537, 30.3637,
32.4752

■ 38.0951, 32.2604,
34.0989

■ 42.1717, 34.3289,
35.7806

Harmonies

Analogous

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



17.3468, 21.4958, 17.7020



16.7672, 21.4958, 22.6674



17.1144, 21.4958, 28.7123

Triad

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



16.7672, 21.4958, 22.6674



22.2087, 21.4958, 34.9820



22.6889, 21.4958, 15.2682

Complementary

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



16.7672, 21.4958, 22.6674



16.2387, 13.4034, 14.0442

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.



24.1509, 21.4958, 18.7961



16.7672, 21.4958, 22.6674



23.8609, 21.4958, 30.2182

Square

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



16.7672, 21.4958, 22.6674



20.1718, 21.4958, 36.4754



24.5933, 21.4958, 24.1590



20.6926, 21.4958, 13.9028

Rectangle

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



16.7672, 21.4958, 22.6674



17.8379, 21.4958, 32.4679



24.5933, 21.4958, 24.1590



23.2642, 21.4958, 16.2086

Sweetspot

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



16.7678, 21.4967, 22.6679



37.8915, 42.4373, 46.0296



16.2064, 21.4266, 12.7333



8.4001, 9.4688, 10.2629



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.



16.7678, 21.4967, 22.6679



27.9983, 37.4846, 38.9052



16.0712, 18.8014, 26.4498



5.1203, 5.6676, 6.1545



10.6064, 17.5751, 14.7498



0.0763, 0.1191, 0.1288

Inverse Universe

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



16.2387, 13.4034, 14.0442



26.9081, 20.7425, 21.0872



16.6968, 15.1931, 11.5043



5.0809, 5.0678, 5.5142



9.8865, 5.0647, 1.9067



0.0708, 0.0357, 0.0398

Previews

White Background



This preview shows how the XYZ color 16.7672, 21.4958, 22.6674 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 16.7672, 21.4958, 22.6674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

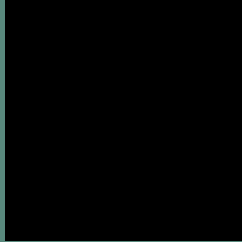
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7672, 21.4958, 22.6674

Background



This preview shows how black text looks on a background with the XYZ color 16.7672, 21.4958, 22.6674.

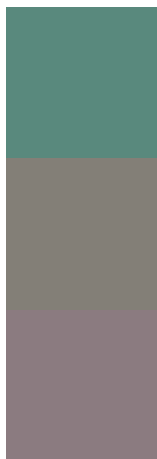


This preview shows how white text looks on a background with the XYZ color 16.7672, 21.4958,

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

16.7672, 21.4958, 22.6674

Protanopia

20.2792, 21.3359, 20.5022

Deuteranopia

21.6267, 21.2134, 23.3768



Tritanopia

18.2520, 21.4742, 29.9710

Trichromacy



Original Color

16.7672, 21.4958, 22.6674

Protanomaly

18.7699, 21.3261, 21.2162

Deuteranomaly

19.4351, 21.0356, 23.1146

Tritanomaly

17.6651, 21.4382, 27.2517

Monochromacy



Original Color

16.7672, 21.4958, 22.6674

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4089, 19.8351, 21.3234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7672, 21.4958, 22.6674 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(89, 137, 125)` looks like.

```
.text, #text, p{  
    color:rgb(89, 137, 125)  
}
```

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(89, 137, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 137, 125) }
```

Border

The CSS property to change the border of an element to XYZ 16.7672, 21.4958, 22.6674 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(89, 137, 125) }
```


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

```
.border{ border-color:rgb(89, 137, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 137, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 137, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 137, 125);  
box-shadow:4px 4px 4px 4px rgb(89, 137,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7672, 21.4958, 22.6674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 137, 125) }
```

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

```
.background{ background-color: rgb(89, 137,  
125) }
```

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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