

Converting Colors

XYZ(16.6628, 20.5333, 22.1953)

Have a look what the booklet for
XYZ(16.6628, 20.5333, 22.1953)
contains.

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Color

**XYZ(16.7449, 20.6632,
22.1746)**

Conversions

Conversions Part 1	
Format	Color
Hex	5F857C
RGB	95, 133, 124
RGB Percent	37%, 52%, 49%
CMY	0.6274, 0.4784, 0.5137
CMYK	0.29, 0.00, 0.07, 0.48
HSL	166°, 17%, 45%
HSV	166°, 29%, 52%
XYZ	16.7449, 20.6632, 22.1746
YIQ	120.6120, -19.7590, -10.8550

Conversions

Conversions Part 2

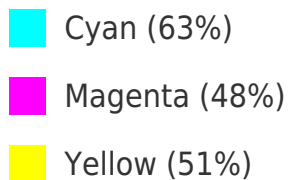
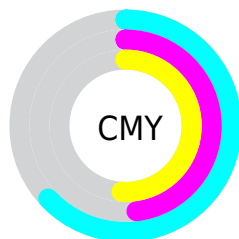
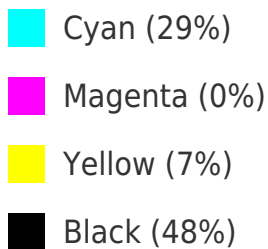
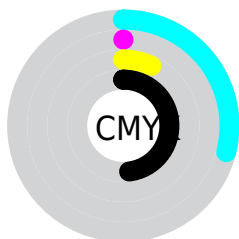
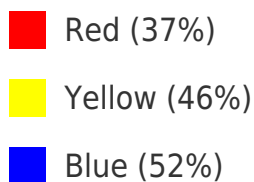
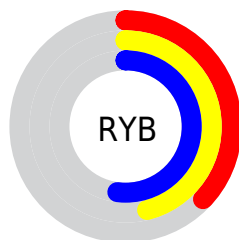
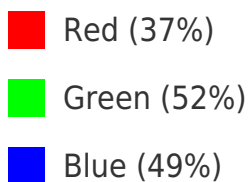
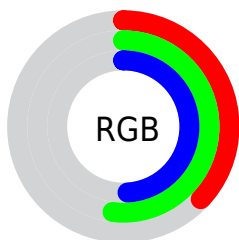
Format	Color
RYB	95, 117, 133
Decimal	6260092
CIELab	52.58, -15.30, 0.57
CIELCh	53, 15.313, 177.865
Yxy	20.6632, 0.2810, 0.3468
Android (android.graphics.Color)	4284450172 (0xFF5F857C)
YUV	120.6120, 1.6703, -22.4617
Hunter-Lab	45.4568, -13.7954, 2.8971

Details

The XYZ color **16.7449, 20.6632, 22.1746** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2645, 14.1709, 14.9755**, and the grayscale version is **18.0487, 18.9886, 20.6786**.

A 20% lighter version of the original color is **37.2494, 44.3634, 47.6740**, and **5.5355, 7.2989, 7.7737** is the 20% darker color. If you saturate the color by 10%, you get **15.2836, 19.9331, 21.0830**, and if you desaturate by 10%, it is **18.4496, 21.5192, 23.3117**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 16.7449, 20.6632, 22.1746 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 16.7449, 20.6632, 22.1746 by changing the saturation by 10% instead.


 16.7449, 20.6632,
22.1746


 16.7449, 20.6632,
22.1746


226.8830,
255.4831, 276.4399


 10.1470, 12.8780,
13.7857


 37.4337, 44.5263,
47.9403


 5.5595, 7.3446,
7.8347


 52.2554, 61.3731,
66.1542

 2.6172, 3.6785,
3.9031

 70.5489, 82.0092,
88.4801

 0.9547, 1.4954,
1.5723

 92.6797, 106.8189,
115.3367

 0.0000, 0.2855,
0.2710


119.0132,
136.1868, 147.1424


 0.0000, 0.0000,
0.0000


149.9147,


170.4972, 184.3158


185.7495,
210.1345, 227.2755


 16.7449, 20.6632,
22.1746


 16.7449, 20.6632,
22.1746


 15.2836, 19.9331,
21.0830


 18.4496, 21.5192,
23.3117


 14.0520, 19.3201,
20.0347

 20.4072, 22.5042,
24.4937


 13.0376, 18.8183,
19.0291


 22.6288, 23.6246,
25.7220


 12.2258, 18.4204,
18.0654


 25.1242, 24.8854,
26.9971


 11.6006, 18.1178,
17.1423


 27.9028, 26.2914,
28.3200


 11.1430, 17.9010,
16.2588


 30.9736, 27.8473,
29.6912

 10.8073, 17.7463,
15.4123

 34.3449, 29.5573,
31.1115

 10.7613, 17.7252,
15.2941

 38.0251, 31.4258,
32.5816

 42.0220, 33.4568,
34.1019

Harmonies

Analogous

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



17.1669, 20.6632, 18.1621



16.7449, 20.6632, 22.1746



17.0632, 20.6632, 26.8364

Triad

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



16.7449, 20.6632, 22.1746



21.1011, 20.6632, 31.1448



21.3084, 20.6632, 15.8789

Complementary

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



16.7449, 20.6632, 22.1746



16.2645, 14.1709, 14.9755

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.



22.4635, 20.6632, 18.6556



16.7449, 20.6632, 22.1746



22.3393, 20.6632, 27.4759

Square

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



16.7449, 20.6632, 22.1746



19.5263, 20.6632, 32.4129



22.8504, 20.6632, 22.8260



19.7537, 20.6632, 14.8454

Rectangle

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



16.7449, 20.6632, 22.1746



17.6625, 20.6632, 29.6232



22.8504, 20.6632, 22.8260



21.7594, 20.6632, 16.6192

Sweetspot

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



16.7455, 20.6640, 22.1751



36.3081, 40.1801, 43.7251



16.2208, 20.5752, 13.9432



8.0753, 8.9995, 9.7898



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.



16.7455, 20.6640, 22.1751



28.3135, 36.1664, 38.4874



16.0987, 18.4174, 24.8977



4.7557, 5.2605, 5.7248



10.2531, 16.8841, 14.5841



0.0383, 0.0596, 0.0654

Inverse Universe

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



16.2645, 14.1709, 14.9755



27.3130, 22.6343, 23.4930



16.7399, 15.8149, 12.9970



4.7145, 4.7055, 5.1087



9.4584, 4.8477, 1.7202



0.0352, 0.0178, 0.0189

Previews

White Background



This preview shows how the XYZ color 16.7449, 20.6632, 22.1746 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 16.7449, 20.6632, 22.1746 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 16.7449, 20.6632, 22.1746

Background



This preview shows how black text looks on a background with the XYZ color 16.7449, 20.6632, 22.1746.

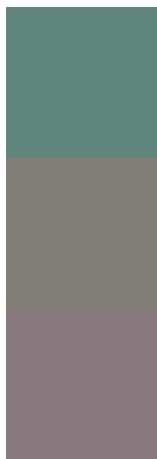


This preview shows how white text looks on a background with the XYZ color 16.7449, 20.6632,

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

16.7449, 20.6632, 22.1746

Protanopia

19.7166, 20.6663, 20.4026

Deuteranopia

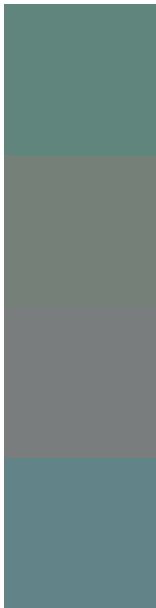
20.7566, 20.4153, 22.5852



Tritanopia

17.9359, 20.5410, 28.2188

Trichromacy



Original Color
16.7449, 20.6632, 22.1746

Protanomaly
18.5065, 20.6007, 21.0901

Deuteranomaly
18.9204, 20.2128, 22.3063

Tritanomaly
17.5265, 20.5785, 25.9700

Monochromacy



Original Color
16.7449, 20.6632, 22.1746

Achromatopsia
18.1737, 19.1202, 20.8219

Achromatomaly
17.5286, 19.5171, 21.2557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7449, 20.6632, 22.1746 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(95, 133, 124) looks like.

```
.text, #text, p{  
    color:rgb(95, 133, 124)  
}
```

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(95, 133, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 133, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.7449, 20.6632, 22.1746 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(95, 133, 124) }
```


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

```
.border{ border-color:rgb(95, 133, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 133, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 133, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 133, 124);  
box-shadow:4px 4px 4px 4px rgb(95, 133,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7449, 20.6632, 22.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 133, 124) }
```

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

```
.background{ background-color: rgb(95, 133,  
124) }
```

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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