

Converting Colors

XYZ(21.9904, 28.1820, 21.2074)

Have a look what the booklet for
XYZ(21.9904, 28.1820, 21.2074)
contains.

XYZ(21.9689, 28.1086, 21.0972)	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(21.9689, 28.1086,
21.0972)**

Conversions

Conversions Part 1

Format	Color
Hex	749A75
RGB	116, 154, 117
RGB Percent	45%, 60%, 46%
CMY	0.5451, 0.3961, 0.5412
CMYK	0.25, 0.00, 0.24, 0.40
HSL	122°, 16%, 53%
HSV	122°, 25%, 60%
XYZ	21.9689, 28.1086, 21.0972
YIQ	138.4200, -10.7710, -19.5630

Conversions

Conversions Part 2

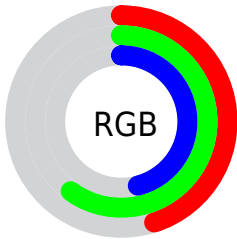
Format	Color
RYB	116, 153, 154
Decimal	7641717
CIELab	59.99, -20.68, 15.28
CIELCh	60, 25.712, 143.538
Yxy	28.1086, 0.3087, 0.3949
Android (android.graphics.Color)	4285831797 (0xFF749A75)
YUV	138.4200, -10.5601, -19.6623
Hunter-Lab	53.0175, -18.8156, 13.5191

Details

The XYZ color **21.9689, 28.1086, 21.0972** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.3225, 21.6612, 32.9845**, and the grayscale version is **24.3607, 25.6293, 27.9103**.

A 20% lighter version of the original color is **46.3241, 56.9005, 46.0775**, and **8.2392, 11.3235, 7.3816** is the 20% darker color. If you saturate the color by 10%, you get **19.2769, 26.8155, 16.7320**, and if you desaturate by 10%, it is **25.1430, 29.6356, 26.2234**.

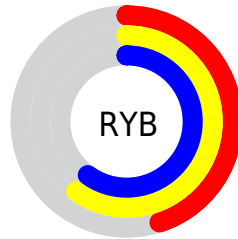
Distribution



Red (45%)

Green (60%)

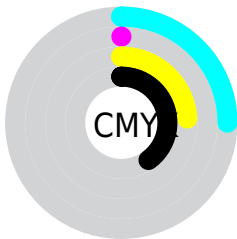
Blue (46%)



Red (45%)

Yellow (60%)

Blue (60%)

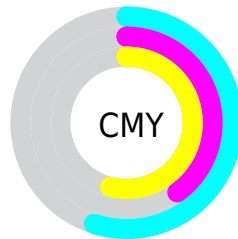


Cyan (25%)

Magenta (0%)

Yellow (24%)

Black (40%)



Cyan (55%)

Magenta (40%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9689, 28.1086, 21.0972 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 21.9689, 28.1086, 21.0972 by changing the saturation by 10% instead.

■ 21.9689, 28.1086,
21.0972

■ 21.9689, 28.1086,
21.0972

255.0192,
292.9855, 270.5926

■ 13.9505, 18.4075,
13.0031

■ 46.1738, 56.6578,
46.1321

■ 8.1677, 11.2430,
7.3000

■ 63.0911, 76.2747,
63.9101

■ 4.2552, 6.2305,
3.5691

■ 83.7054, 99.9657,
85.7531

■ 1.8475, 2.9857,
1.3921

108.3820,
128.1151, 112.0797

■ 0.5460, 1.1243,
0.1355

137.4863,
161.1074, 143.3084

■ 0.0000, 0.0000,
0.0000

171.3838,

199.3270, 179.8577

210.4396,
243.1582, 222.1463

■ 21.9689, 28.1086,
21.0972

■ 21.9689, 28.1086,
21.0972

■ 19.2769, 26.8155,
16.7320

■ 25.1430, 29.6356,
26.2234

■ 17.0414, 25.7413,
13.0898

■ 28.8189, 31.4033,
32.1425

■ 15.2378, 24.8751,
10.1321

■ 33.0177, 33.4230,
38.8867

■ 13.8381, 24.2034,
7.8162

■ 37.7588, 35.7038,
46.4860

■ 12.8113, 23.7111,
6.0946

■ 43.0607, 38.2548,
54.9689

■ 12.1216, 23.3810,
4.9130

■ 48.9407, 41.0842,
64.3625

■ 11.7254, 23.1919,
4.2076

■ 55.4156, 44.2002,
74.6928

■ 11.5784, 23.1213,
3.9691

■ 62.5015, 47.6105,
85.9848

■ 70.2138, 51.3226,
98.2625

Harmonies

Analogous

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



24.2816, 28.1086, 16.8795



21.9689, 28.1086, 21.0972



20.9395, 28.1086, 28.6220

Triad

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



21.9689, 28.1086, 21.0972



26.0145, 28.1086, 52.2290



32.9098, 28.1086, 23.9586

Complementary

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



21.9689, 28.1086, 21.0972



25.3225, 21.6612, 32.9845

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.



33.4686, 28.1086, 32.6785



21.9689, 28.1086, 21.0972



29.3087, 28.1086, 50.2762

Square

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



21.9689, 28.1086, 21.0972



23.1489, 28.1086, 47.5054



32.1028, 28.1086, 42.6117



30.6327, 28.1086, 18.2804

Rectangle

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



21.9689, 28.1086, 21.0972



21.0543, 28.1086, 35.0204



32.1028, 28.1086, 42.6117



33.3121, 28.1086, 26.5781

Sweetspot

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



21.9696, 28.1098, 21.0978



50.6175, 56.2110, 55.6008



27.9155, 31.1817, 21.0704



11.3739, 12.6831, 12.4512



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.9696, 28.1098, 21.0978



36.9070, 49.6187, 33.4629



23.1767, 28.5926, 27.4543



6.1384, 6.9281, 6.6523



9.4349, 18.8374, 3.2448



0.1426, 0.2822, 0.0566

Inverse Universe

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



25.3225, 21.6612, 32.9845



44.1444, 35.6976, 59.1203



23.9014, 21.0927, 25.5008



6.4542, 6.3208, 7.7719



15.3409, 7.3906, 24.1181



0.2312, 0.1112, 0.3705

Previews

White Background



This preview shows how the XYZ color 21.9689, 28.1086, 21.0972 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 21.9689, 28.1086, 21.0972 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 21.9689, 28.1086, 21.0972

Background



This preview shows how black text looks on a background with the XYZ color 21.9689, 28.1086, 21.0972.



This preview shows how white text looks on a background with the XYZ color 21.9689, 28.1086,

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

21.9689, 28.1086, 21.0972

Protanopia

26.2243, 27.9864, 19.3490

Deuteranopia

28.3487, 27.9283, 21.6659



Tritanopia

25.2472, 28.0030, 37.3321

Trichromacy



Original Color

21.9689, 28.1086, 21.0972

Protanomaly

24.4424, 27.9702, 20.0301

Deuteranomaly

25.5158, 27.5743, 21.4303

Tritanomaly

23.8255, 27.8913, 30.5134

Monochromacy



Original Color

21.9689, 28.1086, 21.0972

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.2084, 26.3040, 24.9731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9689, 28.1086, 21.0972 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, 154, 117)` looks like.

```
.text, #text, p{  
    color:rgb(116, 154, 117)  
}
```

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, 154, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 154, 117) }
```

Border

The CSS property to change the border of an element to XYZ 21.9689, 28.1086, 21.0972 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, 154, 117) }
```


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

```
.border{ border-color:rgb(116, 154, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 154, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 154, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 154, 117);  
box-shadow:4px 4px 4px 4px rgb(116, 154,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9689, 28.1086, 21.0972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 154, 117) }
```

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

```
.background{ background-color: rgb(116,  
154, 117) }
```

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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