

Converting Colors

XYZ(21.8711, 29.2716, 22.8933)

Have a look what the booklet for
XYZ(21.8711, 29.2716, 22.8933)
contains.

| | |
|------------------------------------------------|----|
| XYZ(21.8548, 29.2656, 22.9093) | 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(21.8548, 29.2656,
22.9093)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6A9F7A |
| RGB | 106, 159, 122 |
| RGB Percent | 42%, 62%, 48% |
| CMY | 0.5843, 0.3765, 0.5216 |
| CMYK | 0.33, 0.00, 0.23, 0.38 |
| HSL | 138°, 22%, 52% |
| HSV | 138°, 33%, 62% |
| XYZ | 21.8548, 29.2656, 22.9093 |
| YIQ | 138.9350, -19.7110, -22.7430 |

Conversions

Conversions Part 2

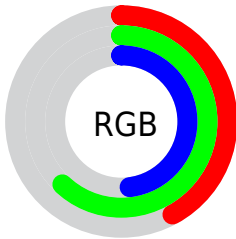
| Format | Color |
|-------------------------------------|------------------------------------------------------------|
| RYB | 106, 147, 159 |
| Decimal | 6987642 |
| CIELab | 61.02, -25.64, 13.83 |
| CIELCh | 61, 29.136, 151.661 |
| Yxy | 29.2656, 0.2952, 0.3953 |
| Android (android.graphics.Color) | 4285177722 (0xFF6A9F7A) |
| YUV | 138.9350, -8.3490, -28.8840 |
| Hunter-Lab | 54.0977, -22.5592, 12.7602 |

Details

The XYZ color **21.8548, 29.2656, 22.9093** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.4110, 19.6627, 28.4963**, and the grayscale version is **24.5527, 25.8314, 28.1304**.

A 20% lighter version of the original color is **45.9846, 58.5201, 48.9163**, and **8.0912, 11.8372, 8.1617** is the 20% darker color. If you saturate the color by 10%, you get **19.4887, 28.1216, 19.4113**, and if you desaturate by 10%, it is **24.6514, 30.6240, 26.8389**.

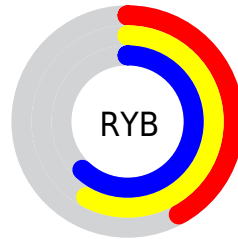
Distribution



Red (42%)

Green (62%)

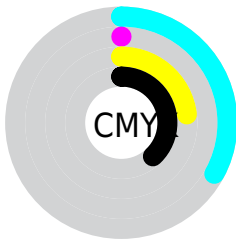
Blue (48%)



Red (42%)

Yellow (58%)

Blue (62%)

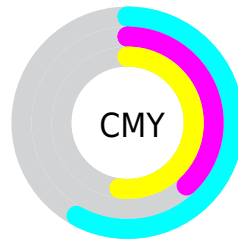


Cyan (33%)

Magenta (0%)

Yellow (23%)

Black (38%)



Cyan (58%)

Magenta (38%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8548, 29.2656, 22.9093 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 21.8548, 29.2656, 22.9093 by changing the saturation by 10% instead.

■ 21.8548, 29.2656,
22.9093

■ 21.8548, 29.2656,
22.9093

254.4337,
298.4661, 280.3656

■ 13.8663, 19.2818,
14.3219

■ 45.9865, 58.4988,
49.1657

■ 8.1088, 11.8741,
8.2036

■ 62.8604, 78.5170,
67.6717

■ 4.2170, 6.6580,
4.1359

■ 83.4268, 102.6489,
90.3210

■ 1.8256, 3.2492,
1.7002

■ 108.0511,
131.2787, 117.5321

■ 0.5330, 1.2632,
0.3608

137.0985,
164.7910, 149.7236

■ 0.0000, 0.1124,
0.0000

170.9346,

■ 0.0000, 0.0000,

203.5700, 187.3140

0.0000

209.9245,
248.0003, 230.7218

■ 21.8548, 29.2656,
22.9093

■ 21.8548, 29.2656,
22.9093

■ 19.4887, 28.1216,
19.4113

■ 24.6514, 30.6240,
26.8389

■ 17.5288, 27.1775,
16.3280

■ 27.8966, 32.2036,
31.2121

■ 15.9517, 26.4222,
13.6447


■ 31.6102, 34.0149,
36.0430

■ 14.7308, 25.8425,
11.3445


■ 35.8103, 36.0671,
41.3445


■ 13.8358, 25.4230,
9.4098


■ 40.5137, 38.3687,
47.1287


 13.2307, 25.1456,
7.8211

 45.7367, 40.9277,
53.4076

 12.9322, 25.0108,
6.9424

 51.4948, 43.7519,
60.1927

 57.8026, 46.8486,
67.4950

 64.6745, 50.2250,
75.3252

Harmonies

Analogous

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



24.1460, 29.2656, 17.1381



21.8548, 29.2656, 22.9093



21.1185, 29.2656, 32.4771

Triad

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



21.8548, 29.2656, 22.9093



28.0289, 29.2656, 57.7675



34.5276, 29.2656, 22.0745

Complementary

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



21.8548, 29.2656, 22.9093



24.4110, 19.6627, 28.4963

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.



35.7983, 29.2656, 31.2611



21.8548, 29.2656, 22.9093



31.8403, 29.2656, 53.2616

Square

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



21.8548, 29.2656, 22.9093



24.4822, 29.2656, 54.1225



34.7733, 29.2656, 42.8954



31.4397, 29.2656, 16.7391

Rectangle

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



21.8548, 29.2656, 22.9093



21.5492, 29.2656, 40.2518



34.7733, 29.2656, 42.8954



35.1934, 29.2656, 24.7329

Sweetspot

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



21.8556, 29.2668, 22.9100



51.9570, 58.6454, 58.5263



26.3457, 31.6869, 18.3634



11.5216, 13.1279, 12.9427



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.8556, 29.2668, 22.9100



35.9206, 50.8536, 36.3027



23.7199, 30.0125, 32.7273



6.6291, 7.4324, 7.4813



10.2305, 19.7601, 5.5709



0.2004, 0.3603, 0.1916

Inverse Universe

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



24.4110, 19.6627, 28.4963



41.2085, 30.9597, 47.8478



22.6403, 18.9544, 19.1722



6.8188, 6.7204, 7.8968



13.5784, 6.7359, 12.5627



0.2605, 0.1275, 0.3179

Previews

White Background



This preview shows how the XYZ color 21.8548, 29.2656, 22.9093 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 21.8548, 29.2656, 22.9093 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 21.8548, 29.2656, 22.9093

Background



This preview shows how black text looks on a background with the XYZ color 21.8548, 29.2656, 22.9093.



This preview shows how white text looks on a background with the XYZ color 21.8548, 29.2656,

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

21.8548, 29.2656, 22.9093

Protanopia

27.1416, 28.8866, 20.6682

Deuteranopia

29.4392, 28.8809, 23.7616



Tritanopia

25.2530, 29.1439, 39.8917

Trichromacy



Original Color

21.8548, 29.2656, 22.9093

Protanomaly

24.8179, 28.8445, 21.3990

Deuteranomaly

25.9686, 28.6802, 23.5692

Tritanomaly

23.8283, 29.0574, 32.7865

Monochromacy



Original Color

21.8548, 29.2656, 22.9093

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.2649, 26.7632, 26.1299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8548, 29.2656, 22.9093 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(106, 159, 122)` looks like.

```
.text, #text, p{  
    color:rgb(106, 159, 122)  
}
```

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(106, 159, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 159, 122) }
```

Border

The CSS property to change the border of an element to XYZ 21.8548, 29.2656, 22.9093 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(106, 159, 122) }
```


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

```
.border{ border-color:rgb(106, 159, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 159, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 159, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 159, 122);  
box-shadow:4px 4px 4px 4px rgb(106, 159,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8548, 29.2656, 22.9093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 159, 122) }
```

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

```
.background{ background-color: rgb(106,  
159, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor