

Converting Colors

XYZ(21.7590, 28.9862, 19.4871)

Have a look what the booklet for
XYZ(21.7590, 28.9862, 19.4871)
contains.

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Color

**XYZ(21.7782, 29.0462,
19.4976)**

Conversions

Conversions Part 1

Format	Color
Hex	709E6F
RGB	112, 158, 111
RGB Percent	44%, 62%, 44%
CMY	0.5608, 0.3804, 0.5647
CMYK	0.29, 0.00, 0.30, 0.38
HSL	119°, 20%, 53%
HSV	119°, 30%, 62%
XYZ	21.7782, 29.0462, 19.4976
YIQ	138.8880, -12.3290, -24.3690

Conversions

Conversions Part 2

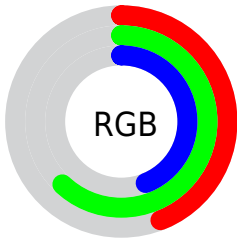
Format	Color
RYB	111, 158, 157
Decimal	7380591
CIELab	60.82, -25.17, 19.72
CIElCh	61, 31.978, 141.919
Yxy	29.0462, 0.3097, 0.4130
Android (android.graphics.Color)	4285570671 (0xFF709E6F)
YUV	138.8880, -13.7488, -23.5808
Hunter-Lab	53.8945, -22.1855, 16.2766

Details

The XYZ color **21.7782, 29.0462, 19.4976** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.7620, 21.0065, 35.0462**, and the grayscale version is **24.5528, 25.8314, 28.1304**.

A 20% lighter version of the original color is **45.9222, 58.2322, 43.4699**, and **8.0378, 11.6911, 6.5356** is the 20% darker color. If you saturate the color by 10%, you get **19.1826, 27.8008, 15.2296**, and if you desaturate by 10%, it is **24.8672, 30.5299, 24.5933**.

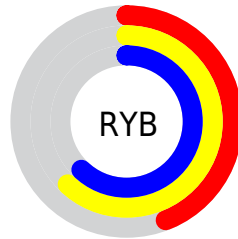
Distribution



Red (44%)

Green (62%)

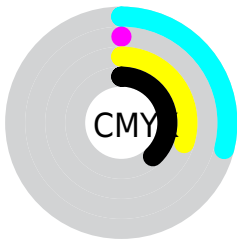
Blue (44%)



Red (44%)

Yellow (62%)

Blue (62%)

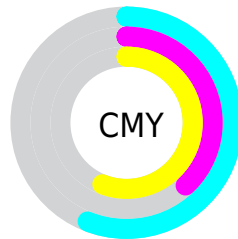


Cyan (29%)

Magenta (0%)

Yellow (30%)

Black (38%)



Cyan (56%)

Magenta (38%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7782, 29.0462, 19.4976 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 21.7782, 29.0462, 19.4976 by changing the saturation by 10% instead.

■ 21.7782, 29.0462,
19.4976

■ 21.7782, 29.0462,
19.4976

254.0400,
297.4329, 261.6958

■ 13.8097, 19.1158,
11.8499

■ 45.8607, 58.1505,
43.4211

■ 8.0692, 11.7540,
6.5203

■ 62.7055, 78.0931,
60.5340

■ 4.1915, 6.5764,
3.0901

■ 83.2397, 102.1420,
81.6391

■ 1.8110, 3.1986,
1.1408

■ 107.8287,
130.6814, 107.1549

■ 0.5243, 1.2363,
0.0000

136.8379,
164.0958, 137.4999

■ 0.0000, 0.0910,
0.0000

170.6326,

■ 0.0000, 0.0000,

202.7696, 173.0927

0.0000

209.5782,
247.0872, 214.3518

■ 21.7782, 29.0462,
19.4976

■ 21.7782, 29.0462,
19.4976

■ 19.1826, 27.8008,
15.2296

■ 24.8672, 30.5299,
24.5933

■ 17.0529, 26.7778,
11.7437

■ 28.4708, 32.2594,
30.5551

■ 15.3619, 25.9652,
8.9932

■ 32.6120, 34.2466,
37.4212

■ 14.0793, 25.3484,
6.9254

■ 37.3114, 36.5013,
45.2272

■ 13.1704, 24.9109,
5.4806

■ 42.5887, 39.0330,
54.0066

■ 12.5952, 24.6335,
4.5890

■ 48.4626, 41.8506,
63.7913

■ 12.2766, 24.4800,
4.0895

■ 54.9509, 44.9627,
74.6118

■ 12.2695, 24.4766,
4.0778

■ 62.0709, 48.3775,
86.4972

■ 69.8388, 52.1028,
99.4756

Harmonies

Analogous

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



24.7281, 29.0462, 14.7800



21.7782, 29.0462, 19.4976



20.4217, 29.0462, 28.5144

Triad

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



21.7782, 29.0462, 19.4976



26.4984, 29.0462, 60.1584



35.7123, 29.0462, 23.8229

Complementary

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



21.7782, 29.0462, 19.4976



25.7620, 21.0065, 35.0462

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.



36.3077, 29.0462, 34.9569



21.7782, 29.0462, 19.4976



30.7022, 29.0462, 57.9920

Square

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



21.7782, 29.0462, 19.4976



22.9624, 29.0462, 53.3006



34.3940, 29.0462, 47.9627



32.8403, 29.0462, 16.8052

Rectangle

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



21.7782, 29.0462, 19.4976



20.4979, 29.0462, 36.5971



34.3940, 29.0462, 47.9627



36.1961, 29.0462, 27.1274

Sweetspot

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



21.7790, 29.0474, 19.4982



52.1035, 58.7736, 56.1529



28.9325, 32.3410, 19.7569



11.5278, 13.1454, 12.2972



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.



21.7790, 29.0474, 19.4982



36.1772, 51.1288, 29.8608



23.0124, 29.5262, 26.6533



6.5631, 7.4074, 7.0695



9.8305, 19.6045, 3.2659



0.1792, 0.3523, 0.0586

Inverse Universe

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



25.7620, 21.0065, 35.0462



44.6533, 34.0125, 62.9550



24.2347, 20.4182, 25.9822



6.8902, 6.7474, 8.3459



15.7185, 7.5322, 26.5326



0.2850, 0.1367, 0.4746

Previews

White Background



This preview shows how the XYZ color 21.7782, 29.0462, 19.4976 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 21.7782, 29.0462, 19.4976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

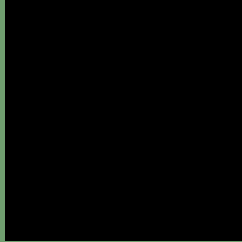
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7782, 29.0462, 19.4976

Background



This preview shows how black text looks on a background with the XYZ color 21.7782, 29.0462, 19.4976.



This preview shows how white text looks on a background with the XYZ color 21.7782, 29.0462,

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

21.7782, 29.0462, 19.4976

Protanopia

26.7850, 28.7665, 17.7764

Deuteranopia

29.2672, 28.6519, 20.2075



Tritanopia

25.5626, 28.8425, 38.8702

Trichromacy



Original Color

21.7782, 29.0462, 19.4976

Protanomaly

24.5976, 28.5581, 18.4032

Deuteranomaly

26.0487, 28.5664, 20.0605

Tritanomaly

24.0609, 28.9764, 30.7104

Monochromacy



Original Color

21.7782, 29.0462, 19.4976

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

23.2946, 26.8099, 24.7159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7782, 29.0462, 19.4976 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(112, 158, 111)` looks like.

```
.text, #text, p{  
    color:rgb(112, 158, 111)  
}
```

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(112, 158, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 158, 111) }
```

Border

The CSS property to change the border of an element to XYZ 21.7782, 29.0462, 19.4976 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(112, 158, 111) }
```


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

```
.border{ border-color:rgb(112, 158, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 158, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 158, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 158, 111);  
box-shadow:4px 4px 4px 4px rgb(112, 158,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7782, 29.0462, 19.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 158, 111) }
```

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

```
.background{ background-color: rgb(112,  
158, 111) }
```

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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