

Converting Colors

XYZ(19.8223, 22.8400, 24.4124)

Have a look what the booklet for
XYZ(19.8223, 22.8400, 24.4124)
contains.

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Color

**XYZ(19.7729, 22.7974,
24.4773)**

Conversions

Conversions Part 1

Format	Color
Hex	728882
RGB	114, 136, 130
RGB Percent	45%, 53%, 51%
CMY	0.5529, 0.4667, 0.4902
CMYK	0.16, 0.00, 0.04, 0.47
HSL	164°, 9%, 49%
HSV	164°, 16%, 53%
XYZ	19.7729, 22.7974, 24.4773
YIQ	128.7380, -11.1860, -6.5300

Conversions

Conversions Part 2

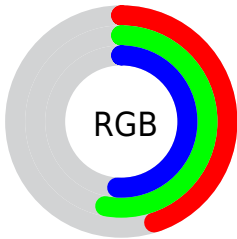
Format	Color
R_{YB}	114, 127, 136
Decimal	7506050
CIE _{Lab}	54.86, -9.18, 0.57
CIE _{LCh}	55, 9.197, 176.453
Yxy	22.7974, 0.2949, 0.3400
Android (android.graphics.Color)	4285696130 (0xFF728882)
YUV	128.7380, 0.6222, -12.9252
Hunter-Lab	47.7466, -9.6359, 3.0276

Details

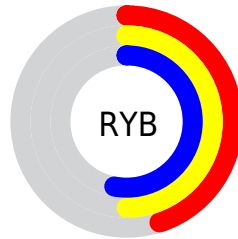
The XYZ color **19.7729, 22.7974, 24.4773** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.5617, 18.6257, 20.3345**, and the grayscale version is **20.7758, 21.8578, 23.8031**.

A 20% lighter version of the original color is **42.4707, 47.9211, 51.8110**, and **7.0598, 8.4079, 9.0354** is the 20% darker color. If you saturate the color by 10%, you get **17.8893, 21.8553, 23.1129**, and if you desaturate by 10%, it is **21.9298, 23.8807, 25.9024**.

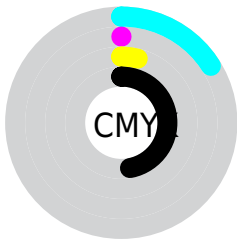
Distribution



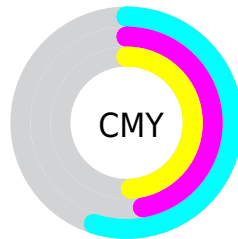
- Red (45%)
- Green (53%)
- Blue (51%)



- Red (45%)
- Yellow (50%)
- Blue (53%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (47%)



- Cyan (55%)
- Magenta (47%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7729, 22.7974, 24.4773 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 19.7729, 22.7974, 24.4773 by changing the saturation by 10% instead.

■ 19.7729, 22.7974,
24.4773

■ 19.7729, 22.7974,
24.4773

243.5401,
266.6827, 288.5886

■ 12.3374, 14.4440,
15.4726

■ 42.5430, 48.0604,
51.7615

■ 7.0477, 8.4301,
9.0014

■ 58.6082, 65.7389,
70.8781

■ 3.5386, 4.3714,
4.6453

■ 78.2807, 87.2944,
94.2024

■ 1.4445, 1.8834,
1.9856

■ 101.9259,
113.1114, 122.1530

■ 0.2876, 0.5384,
0.5464

129.9091,
143.5744, 155.1484

■ 0.0000, 0.0000,
0.0000

162.5956,

179.0677, 193.6071

200.3508,
219.9756, 237.9476

■ 19.7729, 22.7974,
24.4773

■ 19.7729, 22.7974,
24.4773

■ 17.8893, 21.8553,
23.1129

■ 21.9298, 23.8807,
25.9024

■ 16.2655, 21.0454,
21.8065

■ 24.3691, 25.1078,
27.3875

■ 14.8895, 20.3622,
20.5577

■ 27.1018, 26.4851,
28.9342

■ 13.7478, 19.7989,
19.3652

■ 30.1375, 28.0177,
30.5435

■ 12.8254, 19.3476,
18.2279

■ 33.4858, 29.7102,
32.2161

■ 12.1057, 18.9998,
17.1444

■ 37.1554, 31.5673,
33.9529

■ 11.5695, 18.7456,
16.1134

■ 41.1551, 33.5935,
35.7549

■ 11.1854, 18.5690,
15.1328

■ 45.4929, 35.7929,
37.6228

■ 11.0520, 18.5081,
14.7698

■ 50.1770, 38.1696,
39.5574

Harmonies

Analogous

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



20.0776, 22.7974, 21.8519



19.7729, 22.7974, 24.4773



19.9628, 22.7974, 27.4041

Triad

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



19.7729, 22.7974, 24.4773



22.5518, 22.7974, 30.1867



22.7679, 22.7974, 20.4378

Complementary

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



19.7729, 22.7974, 24.4773



19.5617, 18.6257, 20.3345

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.



23.4682, 22.7974, 22.4083



19.7729, 22.7974, 24.4773



23.3407, 22.7974, 28.0508

Square

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



19.7729, 22.7974, 24.4773



21.5474, 22.7974, 30.8479



23.6810, 22.7974, 25.1709



21.7896, 22.7974, 19.6377

Rectangle

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



19.7729, 22.7974, 24.4773



20.3476, 22.7974, 29.1109



23.6810, 22.7974, 25.1709



23.0448, 22.7974, 20.9774

Sweetspot

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



19.7735, 22.7984, 24.4778



39.0803, 42.3016, 45.9201



19.6203, 22.8340, 19.2934



8.9927, 9.7675, 10.5982



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.



19.7735, 22.7984, 24.4778



33.7196, 39.6117, 42.3457



19.5318, 21.6512, 26.4432



5.1156, 5.6657, 6.1297



10.4639, 17.5182, 13.9997



0.0757, 0.1188, 0.1255

Inverse Universe

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



19.5617, 18.6257, 20.3345



33.2816, 30.9804, 33.7767



19.7605, 19.5881, 18.6595



5.0853, 5.0696, 5.5376



9.9309, 5.0825, 2.1405



0.0715, 0.0360, 0.0431

Previews

White Background



This preview shows how the XYZ color 19.7729, 22.7974, 24.4773 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 19.7729, 22.7974, 24.4773 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

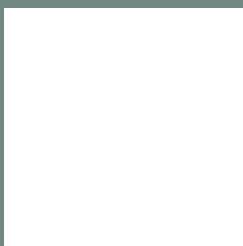
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7729, 22.7974, 24.4773

Background



This preview shows how black text looks on a background with the XYZ color 19.7729, 22.7974, 24.4773.



This preview shows how white text looks on a background with the XYZ color 19.7729, 22.7974,

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

19.7729, 22.7974, 24.4773

Protanopia

21.6449, 22.5659, 23.2935

Deuteranopia

23.0819, 22.6843, 24.9918



Tritanopia

20.8953, 22.8457, 29.6939

Trichromacy



Original Color

19.7729, 22.7974, 24.4773

Protanomaly

20.8999, 22.5731, 23.6776

Deuteranomaly

21.5951, 22.5095, 24.6793

Tritanomaly

20.5266, 22.9050, 27.7653

Monochromacy



Original Color

19.7729, 22.7974, 24.4773

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.5259, 22.3726, 24.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7729, 22.7974, 24.4773 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(114, 136, 130)` looks like.

```
.text, #text, p{  
    color:rgb(114, 136, 130)  
}
```

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(114, 136, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 136, 130) }
```

Border

The CSS property to change the border of an element to XYZ 19.7729, 22.7974, 24.4773 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(114, 136, 130) }
```


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

```
.border{ border-color:rgb(114, 136, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 136, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 136, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 136, 130);  
box-shadow:4px 4px 4px 4px rgb(114, 136,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7729, 22.7974, 24.4773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 136, 130) }
```

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

```
.background{ background-color: rgb(114,  
136, 130) }
```

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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