

Converting Colors

XYZ(20.6024, 22.8691, 20.3753)

Have a look what the booklet for
XYZ(20.6024, 22.8691, 20.3753)
contains.

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Color

**XYZ(20.6972, 22.9474,
20.4780)**

Conversions

Conversions Part 1

Format	Color
Hex	808676
RGB	128, 134, 118
RGB Percent	50%, 53%, 46%
CMY	0.4980, 0.4745, 0.5373
CMYK	0.04, 0.00, 0.12, 0.47
HSL	83°, 6%, 49%
HSV	83°, 12%, 53%
XYZ	20.6972, 22.9474, 20.4780
YIQ	130.3820, 1.5600, -6.2480

Conversions

Conversions Part 2

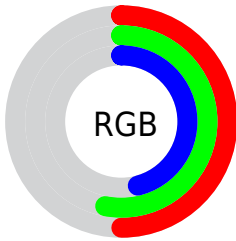
Format	Color
R_{YB}	118, 134, 124
Decimal	8423030
CIE _{Lab}	55.02, -5.30, 7.86
CIE _{LCh}	55, 9.478, 124.007
Yxy	22.9474, 0.3228, 0.3579
Android (android.graphics.Color)	4286613110 (0xFF808676)
YUV	130.3820, -6.1043, -2.0890
Hunter-Lab	47.9034, -6.7082, 8.1868

Details

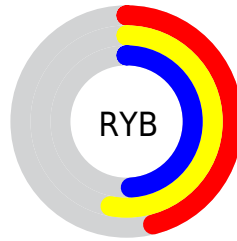
The XYZ color **20.6972, 22.9474, 20.4780** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.0946, 18.9638, 25.2095**, and the grayscale version is **21.3745, 22.4877, 24.4891**.

A 20% lighter version of the original color is **44.0821, 48.2667, 45.0232**, and **7.5003, 8.4451, 7.0291** is the 20% darker color. If you saturate the color by 10%, you get **19.2195, 22.2719, 16.5432**, and if you desaturate by 10%, it is **22.3268, 23.6895, 25.0115**.

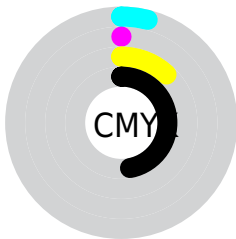
Distribution



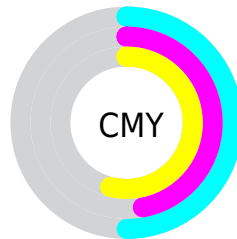
- Red (50%)
- Green (53%)
- Blue (46%)



- Red (46%)
- Yellow (53%)
- Blue (49%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (47%)



- Cyan (50%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6972, 22.9474, 20.4780 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 20.6972, 22.9474, 20.4780 by changing the saturation by 10% instead.

■ 20.6972, 22.9474,
20.4780

■ 20.6972, 22.9474,
20.4780

248.4272,
267.4547, 267.1805

■ 13.0140, 14.5547,
12.5555

■ 44.0781, 48.3069,
45.0866

■ 7.5153, 8.5074,
6.9961

■ 60.5066, 66.0426,
62.6097

■ 3.8356, 4.4213,
3.3812

■ 80.5809, 87.6612,
84.1702

■ 1.6095, 1.9119,
1.2924

104.6664,
113.5474, 110.1864

■ 0.3986, 0.5555,
0.0556

133.1284,
144.0854, 141.0771

■ 0.0000, 0.0000,
0.0000

166.3323,

179.6597, 177.2606

204.6434,
220.6547, 219.1555

■ 20.6972, 22.9474,
20.4780

■ 20.6972, 22.9474,
20.4780

■ 19.2195, 22.2719,
16.5432

■ 22.3268, 23.6895,
25.0115

■ 17.8866, 21.6578,
13.1806

■ 24.1113, 24.4972,
30.1657

■ 16.6934, 21.1037,
10.3638

■ 26.0562, 25.3736,
35.9633

■ 15.6338, 20.6073,
8.0640

■ 28.1660, 26.3204,
42.4257

■ 14.7014, 20.1658,
6.2495

■ 30.4451, 27.3394,
49.5729

■ 13.8888, 19.7763,
4.8852

■ 32.8974, 28.4324,
57.4244

■ 13.1878, 19.4353,
3.9314

■ 35.5272, 29.6010,
65.9986

■ 12.5891, 19.1391,
3.3412

■ 38.3382, 30.8469,
75.3135

■ 12.1581, 18.9238,
3.0119

■ 41.3341, 32.1715,
85.3863

Harmonies

Analogous

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



21.6695, 22.9474, 19.6332



20.6972, 22.9474, 20.4780



20.0400, 22.9474, 22.5282

Triad

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



20.6972, 22.9474, 20.4780



20.9349, 22.9474, 30.5724



23.8949, 22.9474, 24.5825

Complementary

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



20.6972, 22.9474, 20.4780



19.0946, 18.9638, 25.2095

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.



23.6830, 22.9474, 27.6159



20.6972, 22.9474, 20.4780



21.9527, 22.9474, 31.2323

Square

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



20.6972, 22.9474, 20.4780



20.1741, 22.9474, 28.3735



22.9637, 22.9474, 30.1109



23.5338, 22.9474, 21.8791

Rectangle

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



20.6972, 22.9474, 20.4780



19.8573, 22.9474, 24.3849



22.9637, 22.9474, 30.1109



23.8884, 22.9474, 25.5965

Sweetspot

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



20.6978, 22.9484, 20.4785



38.6966, 41.4463, 42.2604



20.2933, 20.7590, 20.0772



8.6739, 9.3174, 9.3969



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.



20.6978, 22.9484, 20.4785



35.8256, 40.1385, 34.3450



19.5601, 22.3619, 20.4253



4.8749, 5.3381, 5.0028



11.4054, 17.7397, 2.8230



0.0476, 0.0656, 0.0102

Inverse Universe

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



19.0946, 18.9638, 25.2095



32.4946, 31.8593, 44.1752



20.2772, 19.5735, 25.2648



4.5873, 4.6234, 5.8514



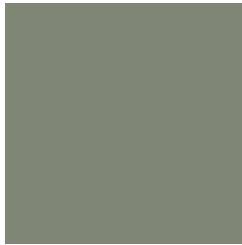
5.2889, 2.2607, 21.2943



0.0259, 0.0118, 0.0741

Previews

White Background



This preview shows how the XYZ color 20.6972, 22.9474, 20.4780 looks on a white background.

Color Contrast Check

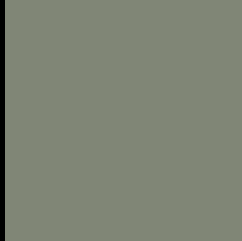
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6972, 22.9474, 20.4780 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

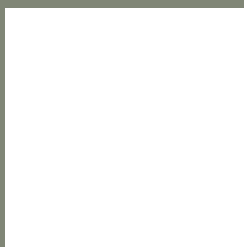
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6972, 22.9474, 20.4780

Background



This preview shows how black text looks on a background with the XYZ color 20.6972, 22.9474, 20.4780.



This preview shows how white text looks on a background with the XYZ color 20.6972, 22.9474,

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

20.6972, 22.9474, 20.4780

Protanopia

21.6437, 22.8353, 20.0965

Deuteranopia

23.3136, 22.9002, 20.6442



Tritanopia

22.2841, 22.9810, 28.4606

Trichromacy



Original Color

20.6972, 22.9474, 20.4780

Protanomaly

21.2937, 22.8552, 20.1188

Deuteranomaly

22.2969, 22.9599, 20.7093

Tritanomaly

21.6908, 22.9418, 25.4753

Monochromacy



Original Color

20.6972, 22.9474, 20.4780

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9355, 22.4061, 22.9601

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6972, 22.9474, 20.4780 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(128, 134, 118)` looks like.

```
.text, #text, p{  
    color:rgb(128, 134, 118)  
}
```

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(128, 134, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 134, 118) }
```

Border

The CSS property to change the border of an element to XYZ 20.6972, 22.9474, 20.4780 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(128, 134, 118) }
```


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

```
.border{ border-color:rgb(128, 134, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 134, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 134, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 134, 118);  
box-shadow:4px 4px 4px 4px rgb(128, 134,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6972, 22.9474, 20.4780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 134, 118) }
```

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

```
.background{ background-color: rgb(128,  
134, 118) }
```

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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