

Converting Colors

XYZ(20.6916, 21.8926, 22.8238)

Have a look what the booklet for
XYZ(20.6916, 21.8926, 22.8238)
contains.

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Color

**XYZ(20.6694, 21.8740,
22.8714)**

Conversions

Conversions Part 1

Format	Color
Hex	81817E
RGB	129, 129, 126
RGB Percent	51%, 51%, 49%
CMY	0.4941, 0.4941, 0.5059
CMYK	0.00, 0.00, 0.02, 0.49
HSL	60°, 1%, 50%
HSV	60°, 2%, 51%
XYZ	20.6694, 21.8740, 22.8714
YIQ	128.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

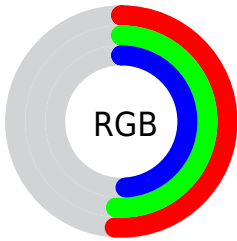
Format	Color
R_{YB}	126, 129, 126
Decimal	8487294
CIE Lab	53.89, -0.59, 1.62
CIE LCh	54, 1.720, 109.941
Yxy	21.8740, 0.3160, 0.3344
Android (android.graphics.Color)	4286677374 (0xFF81817E)
YUV	128.6580, -1.3104, 0.2999
Hunter-Lab	46.7696, -2.9605, 3.7446

Details

The XYZ color **20.6694, 21.8740, 22.8714** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.0284, 20.9429, 23.7568**, and the grayscale version is **20.7514, 21.8321, 23.7751**.

A 20% lighter version of the original color is **44.1560, 46.6557, 49.3260**, and **7.5165, 7.9786, 8.1650** is the 20% darker color. If you saturate the color by 10%, you get **19.8887, 21.5622, 18.7662**, and if you desaturate by 10%, it is **21.5588, 22.2306, 27.5430**.

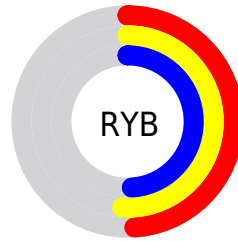
Distribution



Red (51%)

Green (51%)

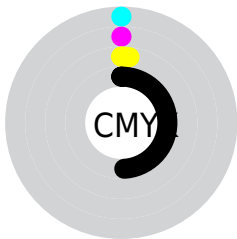
Blue (49%)



Red (49%)

Yellow (51%)

Blue (49%)

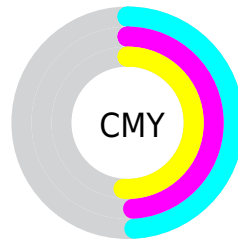


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (49%)



Cyan (49%)

Magenta (49%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6694, 21.8740, 22.8714 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 20.6694, 21.8740, 22.8714 by changing the saturation by 10% instead.

■ 20.6694, 21.8740,
22.8714

■ 20.6694, 21.8740,
22.8714

248.2814,
261.8876, 280.1643

■ 12.9936, 13.7643,
14.2942

■ 44.0321, 46.5377,
49.1026

■ 7.5011, 7.9569,
8.1845

■ 60.4498, 63.8605,
67.5936

■ 3.8265, 4.0674,
4.1237

■ 80.5121, 85.0231,
90.2264

■ 1.6045, 1.7113,
1.6935

104.5845,
110.4099, 117.4193

■ 0.3953, 0.4310,
0.3563

133.0322,
140.4054, 149.5911

■ 0.0000, 0.0000,
0.0000

166.2207,

175.3939, 187.1601

204.5153,
215.7598, 230.5450

■ 20.6694, 21.8740,
22.8714

■ 20.6694, 21.8740,
22.8714

■ 19.8887, 21.5622,
18.7662

■ 21.5588, 22.2306,
27.5430

■ 19.2106, 21.2908,
15.2045

■ 22.5587, 22.6308,
32.7999

■ 18.6315, 21.0589,
12.1640

■ 23.6736, 23.0770,
38.6618

■ 18.1468, 20.8648,
9.6203

■ 24.9069, 23.5705,
45.1473

■ 17.7513, 20.7065,
7.5469

■ 26.2619, 24.1127,
52.2738

■ 17.4397, 20.5816,
5.9150

■ 27.7419, 24.7049,
60.0584

■ 17.2059, 20.4879,
4.6928

■ 29.3500, 25.3483,
68.5174

■ 17.0430, 20.4226,
3.8437

■ 31.0891, 26.0441,
77.6664

■ 16.9429, 20.3823,
3.3254

■ 32.9621, 26.7936,
87.5207

Harmonies

Analogous

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



20.8528, 21.8740, 22.8272



20.6694, 21.8740, 22.8714



20.5193, 21.8740, 23.1669

Triad

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



20.6694, 21.8740, 22.8714



20.5623, 21.8740, 24.6060



21.1431, 21.8740, 23.9956

Complementary

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



20.6694, 21.8740, 22.8714



20.0284, 20.9429, 23.7568

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.



21.0643, 21.8740, 24.4793



20.6694, 21.8740, 22.8714



20.7285, 21.8740, 24.8352

Square

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



20.6694, 21.8740, 22.8714



20.4577, 21.8740, 24.1665



20.9122, 21.8740, 24.7884



21.1270, 21.8740, 23.4710

Rectangle

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



20.6694, 21.8740, 22.8714



20.4580, 21.8740, 23.4691



20.9122, 21.8740, 24.7884



21.1268, 21.8740, 24.1685

Sweetspot

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



20.6700, 21.8749, 22.8719



37.2099, 39.2497, 41.9886



20.2807, 21.0957, 22.7420



8.4248, 8.8850, 9.5171



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



20.6700, 21.8749, 22.8719



36.9029, 39.1268, 40.3756



20.4440, 21.7584, 22.8613



4.7650, 5.0593, 5.1686



16.4645, 19.8501, 2.9637



0.0000, 0.0000, 0.0000

Inverse Universe

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



20.0284, 20.9429, 23.7568



35.3943, 36.9355, 42.4563



20.2510, 21.0577, 23.7672



4.5347, 4.7247, 5.4862



3.8648, 1.5461, 20.3447



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 20.6694, 21.8740, 22.8714 looks on a white background.

Color Contrast Check

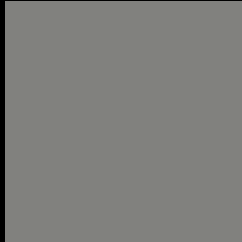
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6694, 21.8740, 22.8714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

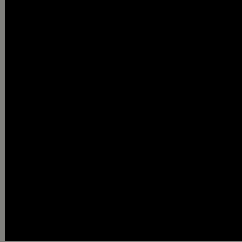
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

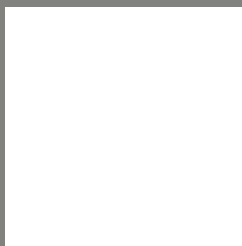
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6694, 21.8740, 22.8714

Background



This preview shows how black text looks on a background with the XYZ color 20.6694, 21.8740, 22.8714.



This preview shows how white text looks on a background with the XYZ color 20.6694, 21.8740,

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

20.6694, 21.8740, 22.8714

Protanopia

21.0008, 21.8502, 22.8493

Deuteranopia

22.3197, 21.9503, 23.1391



Tritanopia

21.4648, 21.8102, 26.7454

Trichromacy



Original Color

20.6694, 21.8740, 22.8714

Protanomaly

20.8451, 21.7700, 22.8420

Deuteranomaly

21.6081, 21.7724, 23.1423

Tritanomaly

21.1587, 21.8776, 25.2979

Monochromacy



Original Color

20.6694, 21.8740, 22.8714

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7998, 21.9262, 23.5580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6694, 21.8740, 22.8714 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(129, 129, 126)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 126)  
}
```

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(129, 129, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 126) }
```

Border

The CSS property to change the border of an element to XYZ 20.6694, 21.8740, 22.8714 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(129, 129, 126) }
```


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

```
.border{ border-color:rgb(129, 129, 126) }
```

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

Here you see how a box with a 4 pixel rgb(129, 129, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 129, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 129, 126);  
box-shadow:4px 4px 4px 4px rgb(129, 129,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6694, 21.8740, 22.8714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 126) }
```

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

```
.background{ background-color: rgb(129,  
129, 126) }
```

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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