

Converting Colors

XYZ(20.9745, 21.2708, 31.0172)

Have a look what the booklet for
XYZ(20.9745, 21.2708, 31.0172)
contains.

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Color

**XYZ(20.9745, 21.2708,
31.0172)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7E94
RGB	123, 126, 148
RGB Percent	48%, 49%, 58%
CMY	0.5176, 0.5059, 0.4196
CMYK	0.17, 0.15, 0.00, 0.42
HSL	233°, 10%, 53%
HSV	233°, 17%, 58%
XYZ	20.9745, 21.2708, 31.0172
YIQ	127.6110, -8.8500, 6.2060

Conversions

Conversions Part 2

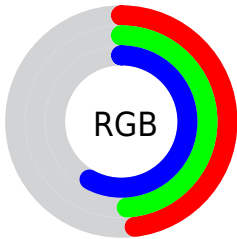
Format	Color
R_{YB}	123, 126, 148
Decimal	8093332
CIE _{Lab}	53.24, 3.68, -12.21
CIE _{LCh}	53, 12.752, 286.777
Yxy	21.2708, 0.2863, 0.2903
Android (android.graphics.Color)	4286283412 (0xFF7B7E94)
YUV	127.6110, 10.0518, -4.0438
Hunter-Lab	46.1203, 0.4674, -7.5900

Details

The XYZ color **20.9745, 21.2708, 31.0172** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.9134, 27.9765, 22.7735**, and the grayscale version is **20.3523, 21.4122, 23.3179**.

A 20% lighter version of the original color is **44.6853, 45.7346, 62.3496**, and **7.6356, 7.6267, 12.3789** is the 20% darker color. If you saturate the color by 10%, you get **17.4571, 17.1447, 30.4065**, and if you desaturate by 10%, it is **25.0301, 25.9972, 31.7161**.

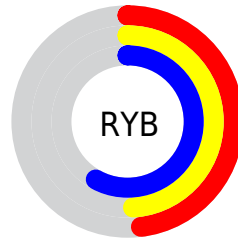
Distribution



Red (48%)

Green (49%)

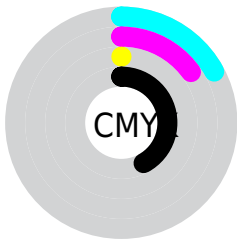
Blue (58%)



Red (48%)

Yellow (49%)

Blue (58%)

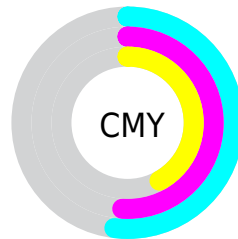


Cyan (17%)

Magenta (15%)

Yellow (0%)

Black (42%)



Cyan (52%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9745, 21.2708, 31.0172 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 20.9745, 21.2708, 31.0172 by changing the saturation by 10% instead.

■ 20.9745, 21.2708,
31.0172

■ 20.9745, 21.2708,
31.0172

249.8772,
258.7142, 320.9712

■ 13.2177, 13.3221,
20.3534

■ 44.5367, 45.5378,
62.3470

■ 7.6567, 7.6507,
12.4656

■ 61.0728, 62.6249,
83.8501

■ 3.9260, 3.8723,
6.9352

■ 81.2661, 83.5268,
109.8034

■ 1.6604, 1.6024,
3.3438

105.4819,
108.6281, 140.6254

■ 0.4313, 0.3592,
1.2727

134.0855,
138.3131, 176.7346

■ 0.0000, 0.0000,
0.0393

167.4424,

■ 0.0000, 0.0000,

172.9662, 218.5496

0.0000

205.9178,
212.9717, 266.4890

■ 20.9745, 21.2708,
31.0172

■ 20.9745, 21.2708,
31.0172

■ 17.4571, 17.1447,
30.4065

■ 25.0301, 25.9972,
31.7161

■ 14.4533, 13.5924,
29.8792

■ 29.6433, 31.3441,
32.5050

■ 11.9396, 10.5891,
29.4320

■ 34.8347, 37.3336,
33.3875

■ 9.8897, 8.1072,
29.0609

■ 40.6236, 43.9862,
34.3664

■ 8.2748, 6.1167,
28.7619

■ 47.0282, 51.3216,
35.4447

■ 7.0632, 4.5846,
28.5300

■ 54.0659, 59.3583,
36.6251

■ 6.2182, 3.4735,
28.3601

■ 61.7534, 68.1143,
37.9100

■ 5.6864, 2.7348,
28.2455

■ 70.1070, 77.6071,
39.3020

■ 5.5580, 2.5634,
28.2192

■ 78.6986, 87.6246,
40.7827

Harmonies

Analogous

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



19.6303, 21.2708, 31.1622



20.9745, 21.2708, 31.0172



22.1649, 21.2708, 28.6236

Triad

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



20.9745, 21.2708, 31.0172



22.0443, 21.2708, 18.1624



17.7981, 21.2708, 21.5038

Complementary

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



20.9745, 21.2708, 31.0172



25.9134, 27.9765, 22.7735

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.



18.3871, 21.2708, 18.4405



20.9745, 21.2708, 31.0172



20.8158, 21.2708, 16.6608

Square

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



20.9745, 21.2708, 31.0172



22.8012, 21.2708, 21.0835



19.4785, 21.2708, 16.7567



17.8363, 21.2708, 25.3692

Rectangle

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



20.9745, 21.2708, 31.0172



22.6934, 21.2708, 26.2116



19.4785, 21.2708, 16.7567



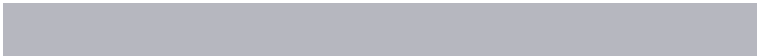
17.9282, 21.2708, 20.3555

Sweetspot

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



20.9752, 21.2717, 31.0177



45.5488, 47.4789, 56.1983



23.8438, 27.4252, 30.6908



10.2843, 10.7067, 12.8094



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



20.9752, 21.2717, 31.0177



34.7259, 34.8600, 54.3330



21.9704, 21.2234, 30.9559



5.5523, 5.7385, 7.2848



4.7591, 2.2129, 24.1073



0.0692, 0.0489, 0.2987

Inverse Universe

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



23.0621, 21.9686, 22.7646



39.0766, 36.3459, 37.1203



24.7851, 28.0849, 22.8539



5.8275, 5.8260, 6.1975



10.5292, 5.4167, 1.0020



0.1344, 0.0685, 0.0413

Previews

White Background



This preview shows how the XYZ color 20.9745, 21.2708, 31.0172 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 20.9745, 21.2708, 31.0172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

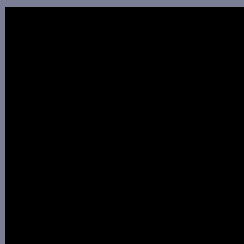
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

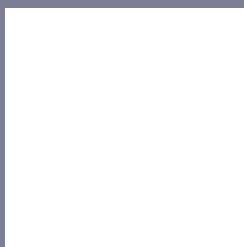
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9745, 21.2708, 31.0172

Background



This preview shows how black text looks on a background with the XYZ color 20.9745, 21.2708, 31.0172.



This preview shows how white text looks on a background with the XYZ color 20.9745, 21.2708,

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

20.9745, 21.2708, 31.0172

Protanopia

20.9745, 21.2708, 31.0172

Deuteranopia

21.6062, 21.2205, 30.9742



Tritanopia

20.1918, 21.3383, 27.0992

Trichromacy



Original Color

20.9745, 21.2708, 31.0172

Protanomaly

20.9745, 21.2708, 31.0172

Deuteranomaly

21.4313, 21.3174, 31.0021

Tritanomaly

20.4979, 21.2693, 28.6162

Monochromacy



Original Color

20.9745, 21.2708, 31.0172

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5667, 21.3636, 25.9613

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9745, 21.2708, 31.0172 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(123, 126, 148)` looks like.

```
.text, #text, p{  
    color:rgb(123, 126, 148)  
}
```

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(123, 126, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 126, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.9745, 21.2708, 31.0172 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(123, 126, 148) }
```


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

```
.border{ border-color:rgb(123, 126, 148) }
```

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

Here you see how a box with a 4 pixel rgb(123, 126, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 126, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 126, 148);  
box-shadow:4px 4px 4px 4px rgb(123, 126,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9745, 21.2708, 31.0172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 126, 148) }
```

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

```
.background{ background-color: rgb(123,  
126, 148) }
```

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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