

Converting Colors

XYZ(21.0406, 22.6387, 23.9235)

Have a look what the booklet for
XYZ(21.0406, 22.6387, 23.9235)
contains.

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Color

**XYZ(21.1158, 22.6767,
24.0330)**

Conversions

Conversions Part 1

Format	Color
Hex	808481
RGB	128, 132, 129
RGB Percent	50%, 52%, 51%
CMY	0.4980, 0.4823, 0.4941
CMYK	0.03, 0.00, 0.02, 0.48
HSL	135°, 2%, 51%
HSV	135°, 3%, 52%
XYZ	21.1158, 22.6767, 24.0330
YIQ	130.4620, -1.4210, -1.7810

Conversions

Conversions Part 2

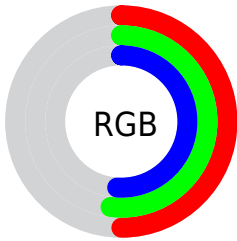
Format	Color
R_{YB}	128, 131, 132
Decimal	8422529
CIE _{Lab}	54.74, -2.08, 1.09
CIE _{LCh}	55, 2.348, 152.252
Yxy	22.6767, 0.3113, 0.3343
Android (android.graphics.Color)	4286612609 (0xFF808481)
YUV	130.4620, -0.7208, -2.1592
Hunter-Lab	47.6201, -4.1842, 3.4114

Details

The XYZ color **21.1158, 22.6767, 24.0330** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.3325, 21.9832, 24.5927**, and the grayscale version is **21.3852, 22.4989, 24.5013**.

A 20% lighter version of the original color is **44.8485, 47.8991, 51.1376**, and **7.7657, 8.4280, 8.8069** is the 20% darker color. If you saturate the color by 10%, you get **18.6315, 21.4690, 20.6459**, and if you desaturate by 10%, it is **23.9236, 24.0450, 27.7692**.

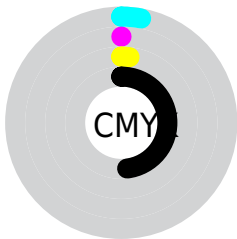
Distribution



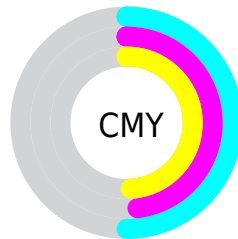
- Red (50%)
- Green (52%)
- Blue (51%)



- Red (50%)
- Yellow (51%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (50%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1158, 22.6767, 24.0330 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 21.1158, 22.6767, 24.0330 by changing the saturation by 10% instead.

■ 21.1158, 22.6767,
24.0330

■ 21.1158, 22.6767,
24.0330

250.6133,
266.0601, 286.2792

■ 13.3216, 14.3550,
15.1457

■ 44.7700, 47.8619,
51.0286

■ 7.7289, 8.3680,
8.7739

■ 61.3607, 65.4942,
69.9739

■ 3.9723, 4.3313,
4.4992

■ 81.6144, 86.9988,
93.1089

■ 1.6865, 1.8606,
1.9030

105.8962,
112.7601, 120.8522

■ 0.4478, 0.5245,
0.4947

134.5717,
143.1624, 153.6224

■ 0.0000, 0.0000,
0.0000

168.0062,

178.5903, 191.8379

206.5649,
219.4281, 235.9173

■ 21.1158, 22.6767,
24.0330

■ 21.1158, 22.6767,
24.0330

■ 18.6315, 21.4690,
20.6459

■ 23.9236, 24.0450,
27.7692

■ 16.4569, 20.4133,
17.5965

■ 27.0639, 25.5766,
31.8625

■ 14.5804, 19.5042,
14.8747

■ 30.5481, 27.2776,
36.3226

■ 12.9887, 18.7352,
12.4697

■ 34.3861, 29.1532,
41.1585

■ 11.6675, 18.0992,
10.3698

■ 38.5877, 31.2080,
46.3787

■ 10.6012, 17.5884,
8.5628

■ 43.1622, 33.4467,
51.9913

■ 9.7727, 17.1942,
7.0356

■ 48.1184, 35.8738,
58.0046

■ 9.1625, 16.9070,
5.7739

■ 53.4651, 38.4935,
64.4261

■ 8.7479, 16.7152,
4.7624

■ 59.2107, 41.3100,
71.2636

Harmonies

Analogous

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



21.2889, 22.6767, 23.5045



21.1158, 22.6767, 24.0330



21.0597, 22.6767, 24.7472

Triad

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



21.1158, 22.6767, 24.0330



21.5731, 22.6767, 26.1438



21.9774, 22.6767, 23.9378

Complementary

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



21.1158, 22.6767, 24.0330



21.3325, 21.9832, 24.5927

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.



22.0550, 22.6767, 24.6351



21.1158, 22.6767, 24.0330



21.8204, 22.6767, 25.9170

Square

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



21.1158, 22.6767, 24.0330



21.3225, 22.6767, 25.9749



21.9973, 22.6767, 25.3610



21.7862, 22.6767, 23.4503

Rectangle

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



21.1158, 22.6767, 24.0330



21.0959, 22.6767, 25.2351



21.9973, 22.6767, 25.3610



22.0177, 22.6767, 24.1549

Sweetspot

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



21.1164, 22.6777, 24.0335



38.1421, 40.4058, 43.6053



21.5189, 22.8928, 23.7070



8.8881, 9.4111, 10.1627



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.



21.1164, 22.6777, 24.0335



36.7053, 39.7064, 41.6732



21.2463, 22.7296, 24.7174



4.9348, 5.3559, 5.5964



8.2568, 16.0856, 4.0718



0.0312, 0.0568, 0.0276

Inverse Universe

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



21.3325, 21.9832, 24.5927



37.2151, 38.0677, 42.9926



21.2025, 21.9312, 23.9083



5.0116, 5.1092, 5.7950



11.3972, 5.6232, 11.9298



0.0424, 0.0206, 0.0567

Previews

White Background



This preview shows how the XYZ color 21.1158, 22.6767, 24.0330 looks on a white background.

Color Contrast Check

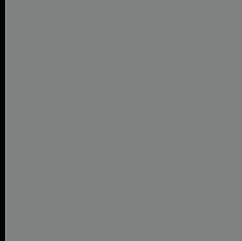
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1158, 22.6767, 24.0330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

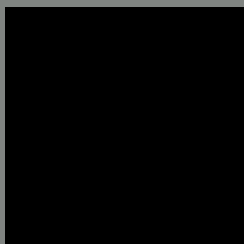
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

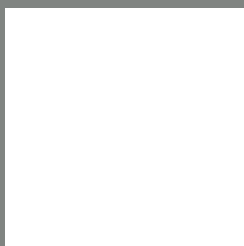
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1158, 22.6767, 24.0330

Background



This preview shows how black text looks on a background with the XYZ color 21.1158, 22.6767, 24.0330.



This preview shows how white text looks on a background with the XYZ color 21.1158, 22.6767,

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

21.1158, 22.6767, 24.0330

Protanopia

21.7104, 22.5921, 23.6385

Deuteranopia

23.1202, 22.7197, 24.2859



Tritanopia

21.9963, 22.6342, 28.4088

Trichromacy



Original Color

21.1158, 22.6767, 24.0330

Protanomaly

21.5283, 22.6966, 23.6683

Deuteranomaly

22.3608, 22.7155, 24.3251

Tritanomaly

21.6849, 22.7059, 26.9067

Monochromacy



Original Color

21.1158, 22.6767, 24.0330

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1988, 22.5114, 24.3469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1158, 22.6767, 24.0330 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, 132, 129) looks like.

```
.text, #text, p{  
    color:rgb(128, 132, 129)  
}
```

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, 132, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 132, 129) }
```

Border

The CSS property to change the border of an element to XYZ 21.1158, 22.6767, 24.0330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

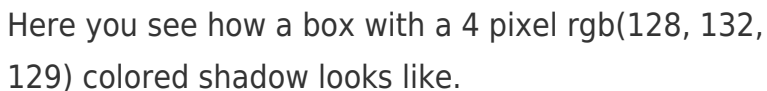
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 132, 129) }
```


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

```
.border{ border-color:rgb(128, 132, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(128, 132, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 132, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 132, 129); box-shadow:4px 4px 4px 4px rgb(128, 132, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1158, 22.6767, 24.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 132, 129) }
```

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

```
.background{ background-color: rgb(128,  
132, 129) }
```

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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