

Converting Colors

XYZ(21.2244, 16.7570, 22.3947)

Have a look what the booklet for
XYZ(21.2244, 16.7570, 22.3947)
contains.

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Color

**XYZ(21.2160, 16.6966,
22.5266)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 996080 |
| RGB | 153, 96, 128 |
| RGB Percent | 60%, 38%, 50% |
| CMY | 0.4000, 0.6235, 0.4980 |
| CMYK | 0.00, 0.37, 0.16, 0.40 |
| HSL | 326°, 23%, 49% |
| HSV | 326°, 37%, 60% |
| XYZ | 21.2160, 16.6966, 22.5266 |
| YIQ | 116.6910, 23.7000, 22.0360 |

Conversions

Conversions Part 2

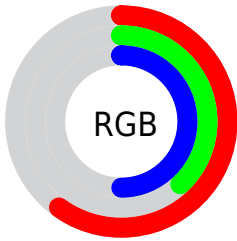
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 153, 96, 128 |
| Decimal | 10051712 |
| CIE _{Lab} | 47.88, 27.98, -8.16 |
| CIE _{LCh} | 48, 29.144, 343.744 |
| Yxy | 16.6966, 0.3510, 0.2763 |
| Android (android.graphics.Color) | 4288241792 (0xFF996080) |
| YUV | 116.6910, 5.5753, 31.8430 |
| Hunter-Lab | 40.8615, 21.1728, -4.0831 |

Details

The XYZ color **21.2160, 16.6966, 22.5266** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.6670, 26.6501, 22.1979**, and the grayscale version is **16.7917, 17.6661, 19.2384**.

A 20% lighter version of the original color is **44.7866, 37.6135, 48.6157**, and **7.8351, 5.4451, 8.0352** is the 20% darker color. If you saturate the color by 10%, you get **19.5264, 14.0009, 19.8557**, and if you desaturate by 10%, it is **23.2075, 19.9489, 25.4427**.

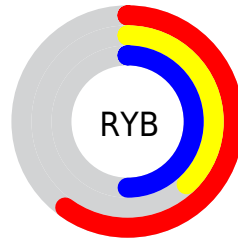
Distribution



Red (60%)

Green (38%)

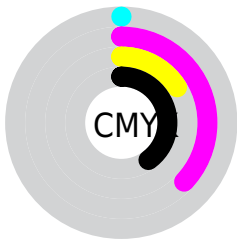
Blue (50%)



Red (60%)

Yellow (38%)

Blue (50%)

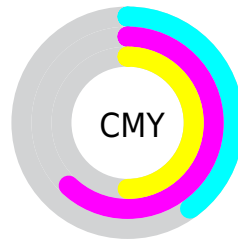


Cyan (0%)

Magenta (37%)

Yellow (16%)

Black (40%)



Cyan (40%)

Magenta (62%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2160, 16.6966, 22.5266 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 21.2160, 16.6966, 22.5266 by changing the saturation by 10% instead.

■ 21.2160, 16.6966,
22.5266

■ 21.2160, 16.6966,
22.5266

251.1342,
233.4179, 278.3268

■ 13.3953, 10.0184,
14.0423

■ 44.9353, 37.8034,
48.5281

■ 7.7802, 5.4112,
8.0110

■ 61.5647, 53.0008,
66.8825

■ 4.0053, 2.4905,
4.0141

■ 81.8610, 71.8067,
89.3639

■ 1.7051, 0.8719,
1.6331

■ 106.1896, 94.6055,
116.3910

■ 0.4595, 0.0000,
0.3143

134.9159,
121.7816, 148.3823

■ 0.0000, 0.0000,
0.0000

168.4052,

153.7195, 185.7564

207.0229,
190.8034, 228.9317

■ 21.2160, 16.6966,
22.5266

■ 21.2160, 16.6966,
22.5266

■ 19.5264, 14.0009,
19.8557

■ 23.2075, 19.9489,
25.4427

■ 18.1208, 11.8276,
17.4207

■ 25.5145, 23.7847,
28.6106

■ 16.9817, 10.1423,
15.2131


■ 28.1515, 28.2322,
32.0380


■ 16.0889, 8.9056,
13.2232


■ 31.1318, 33.3168,
35.7318


■ 15.4189, 8.0715,
11.4402


■ 34.4677, 39.0626,
39.6987

 14.9330, 7.5638,
9.8479

 38.1711, 45.4923,
43.9450

 14.8122, 7.4425,
9.4369

 42.2531, 52.6278,
48.4768

 46.7246, 60.4897,
53.3001

 51.5959, 69.0979,
58.4206

Harmonies

Analogous

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



19.6154, 16.6966, 30.7270



21.2160, 16.6966, 22.5266



21.2855, 16.6966, 14.9618

Triad

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



21.2160, 16.6966, 22.5266



14.7021, 16.6966, 7.4552



12.5002, 16.6966, 30.0966

Complementary

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



21.2160, 16.6966, 22.5266



19.6670, 26.6501, 22.1979

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.



11.4605, 16.6966, 21.8289



21.2160, 16.6966, 22.5266



12.6339, 16.6966, 9.6193

Square

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



21.2160, 16.6966, 22.5266



17.3225, 16.6966, 7.5459



11.5065, 16.6966, 14.4315



14.5003, 16.6966, 35.8539

Rectangle

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



21.2160, 16.6966, 22.5266



20.4398, 16.6966, 11.2833



11.5065, 16.6966, 14.4315



12.0371, 16.6966, 27.4333

Sweetspot

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



21.2165, 16.6974, 22.5269



48.4712, 47.2683, 54.8859



17.7766, 14.7099, 32.0395



10.5750, 10.2214, 11.9534



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.2165, 16.6974, 22.5269



35.3513, 25.6757, 36.1860



19.6109, 16.0552, 14.0723



6.3467, 6.2778, 7.2057



12.2590, 6.1578, 7.8888



0.2015, 0.0994, 0.2141

Inverse Universe

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



21.2165, 16.6974, 22.5269



35.3513, 25.6757, 36.1860



21.6564, 27.4459, 32.6740



6.3467, 6.2778, 7.2057



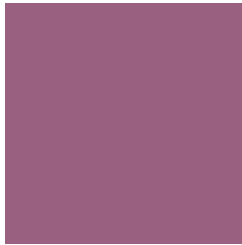
12.2590, 6.1578, 7.8888



0.2015, 0.0994, 0.2141

Previews

White Background



This preview shows how the XYZ color 21.2160, 16.6966, 22.5266 looks on a white background.

Color Contrast Check

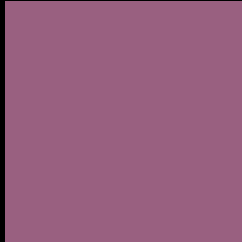
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.2160, 16.6966, 22.5266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

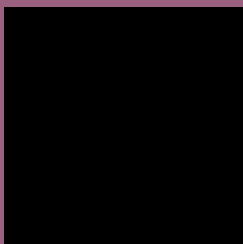
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2160, 16.6966, 22.5266

Background



This preview shows how black text looks on a background with the XYZ color 21.2160, 16.6966, 22.5266.



This preview shows how white text looks on a background with the XYZ color 21.2160, 16.6966,

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

21.2160, 16.6966, 22.5266

Protanopia

16.7497, 16.8625, 26.7981

Deuteranopia

17.1318, 16.8426, 21.7500



Tritanopia

19.9735, 16.7552, 16.0913

Trichromacy



Original Color

21.2160, 16.6966, 22.5266

Protanomaly

17.9430, 16.5497, 25.1704

Deuteranomaly

18.4356, 16.7200, 21.9943

Tritanomaly

20.5052, 16.8369, 18.3888

Monochromacy



Original Color

21.2160, 16.6966, 22.5266

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.1258, 17.0636, 20.4274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2160, 16.6966, 22.5266 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(153, 96, 128)` looks like.

```
.text, #text, p{  
    color:rgb(153, 96, 128)  
}
```

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(153, 96, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 96, 128) }
```

Border

The CSS property to change the border of an element to XYZ 21.2160, 16.6966, 22.5266 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(153, 96, 128) }
```


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

```
.border{ border-color:rgb(153, 96, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 96, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 96, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 96, 128);  
box-shadow:4px 4px 4px 4px rgb(153, 96,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2160, 16.6966, 22.5266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 96, 128) }
```

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

```
.background{ background-color: rgb(153, 96,  
128) }
```

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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