

Converting Colors

XYZ(21.9178, 17.6862, 41.1817)

Have a look what the booklet for
XYZ(21.9178, 17.6862, 41.1817)
contains.

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Color

**XYZ(21.9695, 17.6656,
41.2816)**

Conversions

Conversions Part 1

Format	Color
Hex	8567AC
RGB	133, 103, 172
RGB Percent	52%, 40%, 67%
CMY	0.4784, 0.5961, 0.3255
CMYK	0.23, 0.40, 0.00, 0.33
HSL	266°, 29%, 54%
HSV	266°, 40%, 67%
XYZ	21.9695, 17.6656, 41.2816
YIQ	119.8360, -4.2690, 27.8190

Conversions

Conversions Part 2

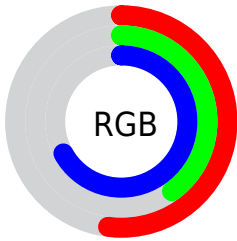
Format	Color
R_{YB}	133, 103, 172
Decimal	8742828
CIE _{Lab}	49.09, 26.30, -32.53
CIE _{LCh}	49, 41.835, 308.954
Yxy	17.6656, 0.2715, 0.2183
Android (android.graphics.Color)	4286932908 (0xFF8567AC)
YUV	119.8360, 25.7169, 11.5448
Hunter-Lab	42.0305, 19.7494, -28.8123

Details

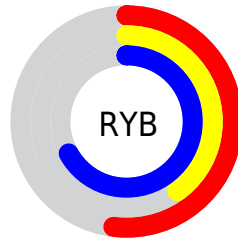
The XYZ color **21.9695, 17.6656, 41.2816** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **28.3565, 36.2355, 18.3323**, and the grayscale version is **17.7223, 18.6452, 20.3046**.

A 20% lighter version of the original color is **46.0527, 39.2774, 78.5528**, and **8.1756, 5.8581, 18.1526** is the 20% darker color. If you saturate the color by 10%, you get **18.9670, 13.8343, 40.7006**, and if you desaturate by 10%, it is **25.4672, 22.2753, 41.9873**.

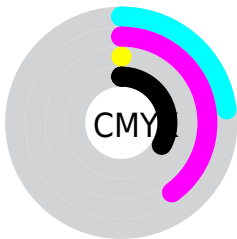
Distribution



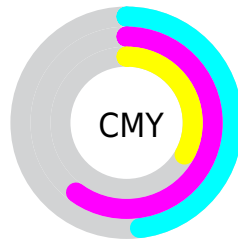
- Red (52%)
- Green (40%)
- Blue (67%)



- Red (52%)
- Yellow (40%)
- Blue (67%)



- Cyan (23%)
- Magenta (40%)
- Yellow (0%)
- Black (33%)



- Cyan (48%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9695, 17.6656, 41.2816 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 21.9695, 17.6656, 41.2816 by changing the saturation by 10% instead.

■ 21.9695, 17.6656,
41.2816

■ 21.9695, 17.6656,
41.2816

255.0223,
238.9794, 367.2076

■ 13.9510, 10.7102,
28.2178

■ 46.1748, 39.4667,
78.3695

■ 8.1680, 5.8723,
18.2495

■ 63.0923, 55.0811,
103.2307

■ 4.2554, 2.7676,
10.9579

■ 83.7068, 74.3507,
132.8615

■ 1.8476, 1.0116,
5.9247

■ 108.3837, 97.6598,
167.6803

■ 0.5461, 0.0000,
2.7313

137.4884,
125.3928, 208.1058

■ 0.0000, 0.0000,
0.9591

171.3861,

■ 0.0000, 0.0000,

157.9342, 254.5565

0.0000

210.4423,
195.6682, 307.4509

■ 21.9695, 17.6656,
41.2816

■ 21.9695, 17.6656,
41.2816

■ 18.9670, 13.8343,
40.7006

■ 25.4672, 22.2753,
41.9873

■ 16.4323, 10.7340,
40.2358

■ 29.4819, 27.7031,
42.8234

■ 14.3379, 8.3149,
39.8793

■ 34.0361, 33.9882,
43.7965

■ 12.6522, 6.5200,
39.6217

■ 39.1504, 41.1667,
44.9125

■ 11.3384, 5.2826,
39.4521

■ 44.8442, 49.2728,
46.1771

■ 10.3312, 4.4657,
39.3475

■ 51.1362, 58.3385,
47.5953

■ 58.0439, 68.3946,
49.1723

■ 65.5842, 79.4702,
50.9127

■ 72.8725, 89.7920,
52.5208

Harmonies

Analogous

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



17.9871, 17.6656, 49.2700



21.9695, 17.6656, 41.2816



24.8217, 17.6656, 28.0403

Triad

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



21.9695, 17.6656, 41.2816



19.6350, 17.6656, 5.3332



10.4102, 17.6656, 22.7811

Complementary

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



21.9695, 17.6656, 41.2816



28.3565, 36.2355, 18.3323

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.



10.7108, 17.6656, 12.4977



21.9695, 17.6656, 41.2816



15.6485, 17.6656, 4.8499

Square

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



21.9695, 17.6656, 41.2816



23.3353, 17.6656, 8.6326



12.4972, 17.6656, 6.8873



11.6007, 17.6656, 36.1766

Rectangle

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



21.9695, 17.6656, 41.2816



25.4760, 17.6656, 19.6301



12.4972, 17.6656, 6.8873



10.3446, 17.6656, 18.8449

Sweetspot

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



21.9701, 17.6663, 41.2820



59.9279, 59.1323, 79.0609



22.7284, 25.2385, 42.7036



12.7942, 12.5327, 17.1324



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



21.9701, 17.6663, 41.2820



35.0447, 25.8950, 73.9569



28.3181, 20.9388, 41.5791



7.8969, 7.9211, 10.0654



7.7488, 3.3545, 29.2836



0.2791, 0.1261, 0.8176

Inverse Universe

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



26.7465, 20.4248, 28.1244



45.1822, 31.7583, 45.6412



23.3371, 33.6479, 18.0974



8.1877, 8.0883, 9.2992



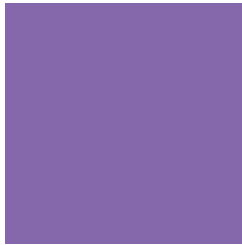
14.3018, 7.1833, 9.2347



0.4247, 0.2106, 0.3981

Previews

White Background



This preview shows how the XYZ color 21.9695, 17.6656, 41.2816 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 21.9695, 17.6656, 41.2816 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 21.9695, 17.6656, 41.2816

Background



This preview shows how black text looks on a background with the XYZ color 21.9695, 17.6656, 41.2816.



This preview shows how white text looks on a background with the XYZ color 21.9695, 17.6656,

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

21.9695, 17.6656, 41.2816

Protanopia

18.9879, 17.9142, 46.7130

Deuteranopia

18.2307, 17.8422, 40.0191



Tritanopia

17.9046, 17.7498, 21.2213

Trichromacy



Original Color

21.9695, 17.6656, 41.2816

Protanomaly

19.7837, 17.7090, 44.4949

Deuteranomaly

19.2468, 17.5224, 40.3979

Tritanomaly

19.1360, 17.5870, 27.5853

Monochromacy



Original Color

21.9695, 17.6656, 41.2816

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1350, 18.2587, 26.9419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9695, 17.6656, 41.2816 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(133, 103, 172)` looks like.

```
.text, #text, p{  
    color:rgb(133, 103, 172)  
}
```

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(133, 103, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 103, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.9695, 17.6656, 41.2816 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(133, 103, 172) }
```


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

```
.border{ border-color:rgb(133, 103, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 103, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 103, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 103, 172);  
box-shadow:4px 4px 4px 4px rgb(133, 103,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9695, 17.6656, 41.2816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 103, 172) }
```

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

```
.background{ background-color: rgb(133,  
103, 172) }
```

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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