

Converting Colors

XYZ(22.5247, 16.9344, 21.2156)

Have a look what the booklet for
XYZ(22.5247, 16.9344, 21.2156)
contains.

XYZ(22.5695, 16.8961, 21.1405)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.5695, 16.8961,
21.1405)**

Conversions

Conversions Part 1

Format	Color
Hex	A35C7C
RGB	163, 92, 124
RGB Percent	64%, 36%, 49%
CMY	0.3608, 0.6392, 0.5137
CMYK	0.00, 0.44, 0.24, 0.36
HSL	333°, 28%, 50%
HSV	333°, 44%, 64%
XYZ	22.5695, 16.8961, 21.1405
YIQ	116.8770, 32.0440, 25.0040

Conversions

Conversions Part 2

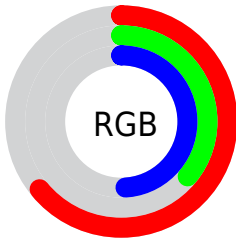
Format	Color
R_{YB}	163, 92, 124
Decimal	10706044
CIE Lab	48.13, 33.20, -5.24
CIE LCh	48, 33.616, 351.026
Yxy	16.8961, 0.3724, 0.2788
Android (android.graphics.Color)	4288896124 (0xFFA35C7C)
YUV	116.8770, 3.5116, 40.4499
Hunter-Lab	41.1049, 26.0757, -1.7198

Details

The XYZ color **22.5695, 16.8961, 21.1405** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.6084, 30.1088, 26.1470**, and the grayscale version is **16.8535, 17.7312, 19.3093**.

A 20% lighter version of the original color is **47.0231, 38.1412, 45.9579**, and **8.4406, 5.4870, 7.2708** is the 20% darker color. If you saturate the color by 10%, you get **20.7656, 14.1537, 17.8712**, and if you desaturate by 10%, it is **24.7296, 20.2683, 24.7826**.

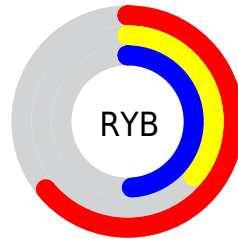
Distribution



Red (64%)

Green (36%)

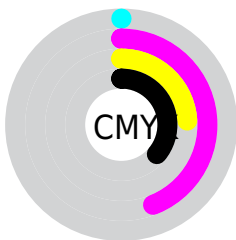
Blue (49%)



Red (64%)

Yellow (36%)

Blue (49%)

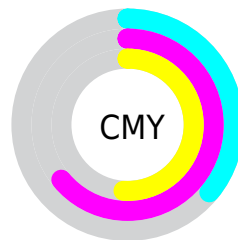


Cyan (0%)

Magenta (44%)

Yellow (24%)

Black (36%)



Cyan (36%)

Magenta (64%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5695, 16.8961, 21.1405 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 22.5695, 16.8961, 21.1405 by changing the saturation by 10% instead.

■ 22.5695, 16.8961,
21.1405

■ 22.5695, 16.8961,
21.1405

258.0829,
234.5729, 270.8298

■ 14.3949, 10.1604,
13.0345

■ 47.1574, 38.1470,
46.2051

■ 8.4794, 5.5055,
7.3213

■ 64.3013, 53.4311,
64.0007

■ 4.4576, 2.5468,
3.5824

■ 85.1658, 72.3335,
85.8633

■ 1.9641, 0.9000,
1.3991

■ 110.1161, 95.2385,
112.2115

■ 0.6137, 0.0000,
0.1411

139.5176,
122.5305, 143.4636

■ 0.0000, 0.0000,
0.0000

173.7357,

154.5940, 180.0384

213.1356,
191.8134, 222.3542

■ 22.5695, 16.8961,
21.1405

■ 22.5695, 16.8961,
21.1405

■ 20.7656, 14.1537,
17.8712

■ 24.7296, 20.2683,
24.7826

■ 19.2955, 11.9988,
14.9599

■ 27.2636, 24.3042,
28.8094

■ 18.1361, 10.3876,
12.3923


■ 30.1899, 29.0381,
33.2334


■ 17.2609, 9.2691,
10.1520


■ 33.5251, 34.5015,
38.0662


■ 16.6381, 8.5826,
8.2209


■ 37.2848, 40.7236,
43.3187

 16.3222, 8.2737,
7.1203

 41.4838, 47.7323,
49.0015

 46.1361, 55.5538,
55.1249

 51.2553, 64.2133,
61.6986

 56.8541, 73.7348,
68.7321

Harmonies

Analogous

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



21.0584, 16.8961, 31.0977



22.5695, 16.8961, 21.1405



22.1724, 16.8961, 13.0095

Triad

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



22.5695, 16.8961, 21.1405



14.0475, 16.8961, 6.7589



12.6488, 16.8961, 34.7682

Complementary

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



22.5695, 16.8961, 21.1405



21.6084, 30.1088, 26.1470

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.



11.1877, 16.8961, 25.0979



22.5695, 16.8961, 21.1405



11.9214, 16.8961, 9.7326

Square

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



22.5695, 16.8961, 21.1405



16.9906, 16.8961, 6.3019



10.9393, 16.8961, 15.9017



15.1625, 16.8961, 40.4468

Rectangle

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



22.5695, 16.8961, 21.1405



20.8972, 16.8961, 9.4346



10.9393, 16.8961, 15.9017



12.0323, 16.8961, 31.7554

Sweetspot

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



22.5700, 16.8969, 21.1408



54.2441, 52.2923, 59.7792



19.6243, 15.0349, 36.5182



11.9184, 11.3142, 13.0336



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.5700, 16.8969, 21.1408



37.3635, 25.6084, 32.3338



21.0721, 16.6309, 12.2258



7.2003, 7.1366, 8.0409



12.7077, 6.4391, 5.6513



0.2907, 0.1448, 0.2436

Inverse Universe

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



22.5700, 16.8969, 21.1408



37.3635, 25.6084, 32.3338



23.7059, 30.2818, 39.2460



7.2003, 7.1366, 8.0409



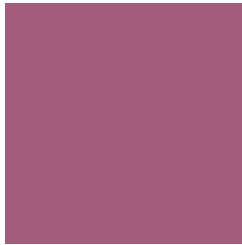
12.7077, 6.4391, 5.6513



0.2907, 0.1448, 0.2436

Previews

White Background



This preview shows how the XYZ color 22.5695, 16.8961, 21.1405 looks on a white background.

Color Contrast Check

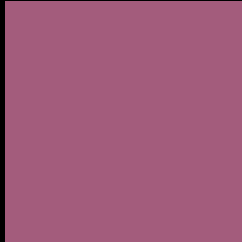
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5695, 16.8961, 21.1405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

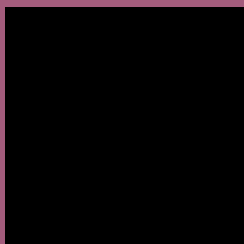
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.5695, 16.8961, 21.1405

Background



This preview shows how black text looks on a background with the XYZ color 22.5695, 16.8961, 21.1405.



This preview shows how white text looks on a background with the XYZ color 22.5695, 16.8961,

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

22.5695, 16.8961, 21.1405

Protanopia

17.0352, 17.1846, 26.4639

Deuteranopia

17.3040, 16.9603, 20.4508



Tritanopia

21.3290, 16.9221, 14.9741

Trichromacy



Original Color

22.5695, 16.8961, 21.1405

Protanomaly

18.4409, 16.6687, 24.4357

Deuteranomaly

18.9444, 16.7090, 20.6390

Tritanomaly

21.8617, 17.0135, 17.1706

Monochromacy



Original Color

22.5695, 16.8961, 21.1405

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.5842, 17.1495, 20.1000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5695, 16.8961, 21.1405 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(163, 92, 124)` looks like.

```
.text, #text, p{  
    color:rgb(163, 92, 124)  
}
```

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(163, 92, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 92, 124) }
```

Border

The CSS property to change the border of an element to XYZ 22.5695, 16.8961, 21.1405 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(163, 92, 124) }
```


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

```
.border{ border-color:rgb(163, 92, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 92, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 92, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 92, 124);  
box-shadow:4px 4px 4px 4px rgb(163, 92,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5695, 16.8961, 21.1405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 92, 124) }
```

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

```
.background{ background-color: rgb(163, 92,  
124) }
```

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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