

Converting Colors

XYZ(22.1714, 17.5386, 35.9203)

Have a look what the booklet for
XYZ(22.1714, 17.5386, 35.9203)
contains.

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Color

**XYZ(22.2420, 17.6314,
35.9491)**

Conversions

Conversions Part 1

Format	Color
Hex	8E65A1
RGB	142, 101, 161
RGB Percent	56%, 40%, 63%
CMY	0.4431, 0.6039, 0.3686
CMYK	0.12, 0.37, 0.00, 0.37
HSL	281°, 24%, 51%
HSV	281°, 37%, 63%
XYZ	22.2420, 17.6314, 35.9491
YIQ	120.0990, 5.1760, 27.3520

Conversions

Conversions Part 2

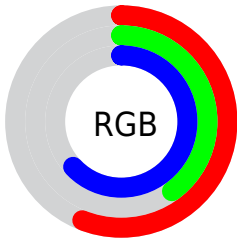
Format	Color
R_{YB}	142, 101, 161
Decimal	9332129
CIE _{Lab}	49.05, 27.75, -26.08
CIE _{LCh}	49, 38.081, 316.770
Yxy	17.6314, 0.2933, 0.2325
Android (android.graphics.Color)	4287522209 (0xFF8E65A1)
YUV	120.0990, 20.1642, 19.2072
Hunter-Lab	41.9898, 21.0695, -21.3677

Details

The XYZ color **22.2420, 17.6314, 35.9491** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.8402, 30.4229, 16.9812**, and the grayscale version is **17.8212, 18.7493, 20.4180**.

A 20% lighter version of the original color is **46.8119, 39.6107, 70.1441**, and **8.3478, 5.8745, 15.1619** is the 20% darker color. If you saturate the color by 10%, you get **19.9745, 14.3652, 35.4384**, and if you desaturate by 10%, it is **24.8569, 21.5322, 36.5645**.

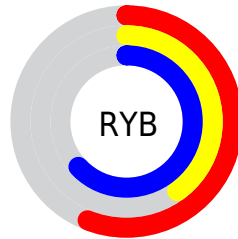
Distribution



Red (56%)

Green (40%)

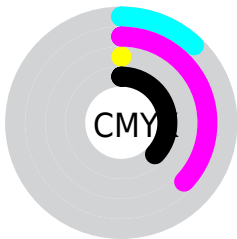
Blue (63%)



Red (56%)

Yellow (40%)

Blue (63%)

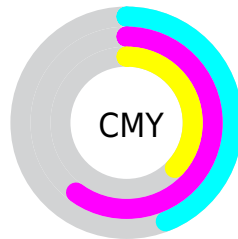


Cyan (12%)

Magenta (37%)

Yellow (0%)

Black (37%)



Cyan (44%)

Magenta (60%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2420, 17.6314, 35.9491 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 22.2420, 17.6314, 35.9491 by changing the saturation by 10% instead.

■ 22.2420, 17.6314,
35.9491

■ 22.2420, 17.6314,
35.9491

256.4161,
238.7851, 343.7687

■ 14.1524, 10.6857,
24.1055

■ 46.6215, 39.4082,
70.1217

■ 8.3092, 5.8559,
15.1990

■ 63.6422, 55.0081,
93.2877

■ 4.3469, 2.7577,
8.8110

■ 84.3706, 74.2615,
121.0650

■ 1.9002, 1.0066,
4.5230

■ 109.1721, 97.5529,
153.8720

■ 0.5769, 0.0000,
1.9164

138.4120,
125.2665, 192.1274

■ 0.0000, 0.0000,
0.5031

172.4558,

■ 0.0000, 0.0000,

157.7868, 236.2496

0.0000

211.6687,
195.4982, 286.6572

■ 22.2420, 17.6314,
35.9491

■ 22.2420, 17.6314,
35.9491

■ 19.9745, 14.3652,
35.4384

■ 24.8569, 21.5322,
36.5645

■ 18.0342, 11.6951,
35.0253

■ 27.8345, 26.0986,
37.2890

■ 16.4013, 9.5819,
34.7035

■ 31.1912, 31.3623,
38.1280

■ 15.0529, 7.9808,
34.4655

■ 34.9418, 37.3522,
39.0865

■ 13.9625, 6.8394,
34.3027

■ 39.1003, 44.0955,
40.1689

■ 13.0882, 6.0750,
34.2012

■ 43.6802, 51.6183,
41.3796

■ 12.8655, 5.8892,
34.1771

■ 48.6939, 59.9450,
42.7226

■ 54.1536, 69.0992,
44.2017

■ 60.0709, 79.1034,
45.8209

Harmonies

Analogous

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



18.8065, 17.6314, 44.6696



22.2420, 17.6314, 35.9491



24.3230, 17.6314, 24.0302

Triad

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



22.2420, 17.6314, 35.9491



18.3700, 17.6314, 5.7598



11.0334, 17.6314, 25.4109

Complementary

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



22.2420, 17.6314, 35.9491



22.8402, 30.4229, 16.9812

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.



10.9510, 17.6314, 15.0607



22.2420, 17.6314, 35.9491



14.8641, 17.6314, 5.9010

Square

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



22.2420, 17.6314, 35.9491



21.8838, 17.6314, 8.1833



12.2590, 17.6314, 8.6767



12.5027, 17.6314, 37.2624

Rectangle

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



22.2420, 17.6314, 35.9491



24.4947, 17.6314, 16.9834



12.2590, 17.6314, 8.6767



10.8507, 17.6314, 21.5964

Sweetspot

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



22.2426, 17.6321, 35.9495



53.4082, 52.2989, 67.6663



18.6380, 19.0155, 36.4065



11.5470, 11.2091, 14.7986



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.2426, 17.6321, 35.9495



36.3127, 26.4908, 63.5859



24.9381, 19.1196, 31.6547



7.1451, 7.0892, 8.8948



10.3187, 4.7259, 27.2981



0.2624, 0.1228, 0.5757

Inverse Universe

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



22.7424, 18.2413, 20.0925



37.5497, 27.8708, 30.1088



20.9816, 29.4046, 19.6096



7.1619, 7.1212, 7.8389



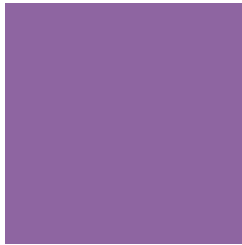
12.2325, 6.2491, 3.1492



0.2776, 0.1395, 0.1746

Previews

White Background



This preview shows how the XYZ color 22.2420, 17.6314, 35.9491 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 22.2420, 17.6314, 35.9491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

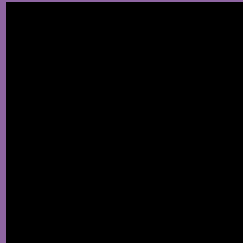
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2420, 17.6314, 35.9491

Background



This preview shows how black text looks on a background with the XYZ color 22.2420, 17.6314, 35.9491.



This preview shows how white text looks on a background with the XYZ color 22.2420, 17.6314,

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

22.2420, 17.6314, 35.9491

Protanopia

18.6141, 17.8367, 41.4915

Deuteranopia

18.1280, 17.7333, 34.8152



Tritanopia

18.9993, 17.6941, 19.5535

Trichromacy



Original Color

22.2420, 17.6314, 35.9491

Protanomaly

19.5832, 17.5564, 39.4024

Deuteranomaly

19.3052, 17.5066, 35.1625

Tritanomaly

20.0420, 17.6399, 24.9028

Monochromacy



Original Color

22.2420, 17.6314, 35.9491

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.1804, 18.1487, 25.4138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2420, 17.6314, 35.9491 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(142, 101, 161)` looks like.

```
.text, #text, p{  
    color:rgb(142, 101, 161)  
}
```

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(142, 101, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 101, 161) }
```

Border

The CSS property to change the border of an element to XYZ 22.2420, 17.6314, 35.9491 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(142, 101, 161) }
```


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

```
.border{ border-color:rgb(142, 101, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 101, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 101, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 101, 161);  
box-shadow:4px 4px 4px 4px rgb(142, 101,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2420, 17.6314, 35.9491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 101, 161) }
```

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

```
.background{ background-color: rgb(142,  
101, 161) }
```

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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