

Converting Colors

XYZ(22.6251, 20.0074, 33.5697)

Have a look what the booklet for
XYZ(22.6251, 20.0074, 33.5697)
contains.

| | |
|--|----|
| XYZ(22.6946, 20.1170, 33.6972) | 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(22.6946, 20.1170,
33.6972)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 8B739B |
| RGB | 139, 115, 155 |
| RGB Percent | 55%, 45%, 61% |
| CMY | 0.4549, 0.5490, 0.3922 |
| CMYK | 0.10, 0.26, 0.00, 0.39 |
| HSL | 276°, 17%, 53% |
| HSV | 276°, 26%, 61% |
| XYZ | 22.6946, 20.1170, 33.6972 |
| YIQ | 126.7360, 1.4640, 17.5280 |

Conversions

Conversions Part 2

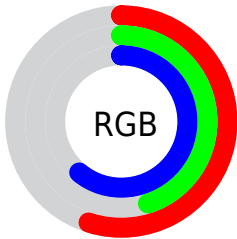
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 139, 115, 155 |
| Decimal | 9139099 |
| CIE _{Lab} | 51.97, 17.22, -18.09 |
| CIE _{LCh} | 52, 24.980, 313.585 |
| Yxy | 20.1170, 0.2966, 0.2629 |
| Android (android.graphics.Color) | 4287329179 (0xFF8B739B) |
| YUV | 126.7360, 13.9342, 10.7555 |
| Hunter-Lab | 44.8520, 11.8280, -13.1481 |

Details

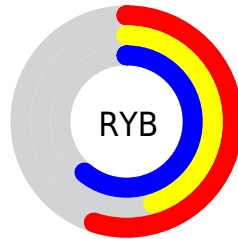
The XYZ color **22.6946, 20.1170, 33.6972** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **24.1766, 29.5063, 20.6416**, and the grayscale version is **20.0363, 21.0797, 22.9558**.

A 20% lighter version of the original color is **47.4439, 43.6280, 66.8933**, and **8.5303, 7.0885, 14.0153** is the 20% darker color. If you saturate the color by 10%, you get **20.0676, 16.3563, 33.1101**, and if you desaturate by 10%, it is **25.6788, 24.5041, 34.3870**.

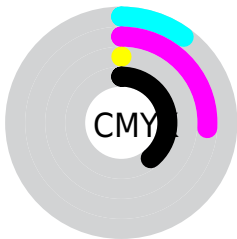
Distribution



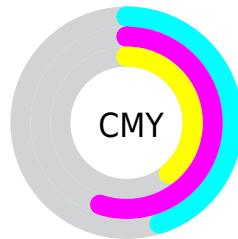
- Red (55%)
- Green (45%)
- Blue (61%)



- Red (55%)
- Yellow (45%)
- Blue (61%)



- Cyan (10%)
- Magenta (26%)
- Yellow (0%)
- Black (39%)



- Cyan (45%)
- Magenta (55%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6946, 20.1170, 33.6972 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 22.6946, 20.1170, 33.6972 by changing the saturation by 10% instead.

■ 22.6946, 20.1170,
33.6972

■ 22.6946, 20.1170,
33.6972

258.7172,
252.5478, 333.5076

■ 14.4876, 12.4801,
22.3856

■ 47.3617, 43.6133,
66.5910

■ 8.5445, 7.0715,
13.9395

■ 64.5526, 60.2414,
89.0103

■ 4.5000, 3.5069,
7.9403

■ 85.4688, 80.6355,
115.9693

■ 1.9887, 1.4017,
3.9696

■ 110.4757,
105.1798, 147.8864

■ 0.6276, 0.2180,
1.6087

139.9386,
134.2588, 185.1803

■ 0.0000, 0.0000,
0.2970

174.2229,

■ 0.0000, 0.0000,

168.2569, 228.2694

0.0000

213.6940,
207.5584, 277.5723

■ 22.6946, 20.1170,
33.6972

■ 22.6946, 20.1170,
33.6972

■ 20.0676, 16.3563,
33.1101

■ 25.6788, 24.5041,
34.3870

■ 17.7801, 13.1891,
32.6193

■ 29.0330, 29.5432,
35.1829

■ 15.8156, 10.5837,
32.2200

■ 32.7718, 35.2614,
36.0895

■ 14.1553, 8.5039,
31.9060

■ 36.9083, 41.6837,
37.1112

■ 12.7782, 6.9094,
31.6708

■ 41.4549, 48.8336,
38.2516

11.6603, 5.7536,
31.5067

46.4235, 56.7338,
39.5146

10.7690, 4.9729,
31.4030

51.8255, 65.4056,
40.9037

10.4306, 4.6937,
31.3669

57.6719, 74.8698,
42.4224

63.9731, 85.1462,
44.0738

Harmonies

Analogous

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



20.2926, 20.1170, 38.5350



22.6946, 20.1170, 33.6972



24.2063, 20.1170, 26.1055

Triad

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



22.6946, 20.1170, 33.6972



20.5363, 20.1170, 11.0279



14.7497, 20.1170, 25.3616

Complementary

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



22.6946, 20.1170, 33.6972



24.1766, 29.5063, 20.6416

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.



14.8024, 20.1170, 18.1794



22.6946, 20.1170, 33.6972



17.9947, 20.1170, 10.9150

Square

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



22.6946, 20.1170, 33.6972



22.8866, 20.1170, 13.5968



15.9430, 20.1170, 13.2439



15.7922, 20.1170, 33.0495

Rectangle

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



22.6946, 20.1170, 33.6972



24.4290, 20.1170, 21.0398



15.9430, 20.1170, 13.2439



14.6429, 20.1170, 22.7916

Sweetspot

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



22.6952, 20.1178, 33.6976



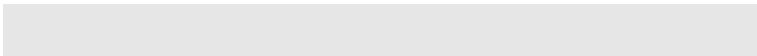
50.5211, 50.6787, 62.6555



21.1935, 22.4245, 34.2220



11.2365, 11.1712, 14.1344



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.6952, 20.1178, 33.6976



37.8392, 31.9886, 59.7164



25.2891, 21.4869, 32.3777



6.2220, 6.2003, 7.7978



8.4216, 3.7925, 25.1959



0.1668, 0.0778, 0.3786

Inverse Universe

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



23.7457, 20.8696, 24.2503



40.1404, 33.6250, 39.4875



22.0822, 28.4040, 21.5632



6.3060, 6.2616, 6.9918



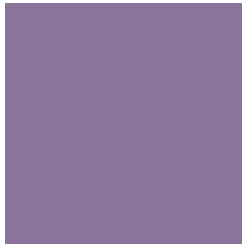
11.5737, 5.8837, 4.2800



0.1903, 0.0949, 0.1547

Previews

White Background



This preview shows how the XYZ color 22.6946, 20.1170, 33.6972 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 22.6946, 20.1170, 33.6972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

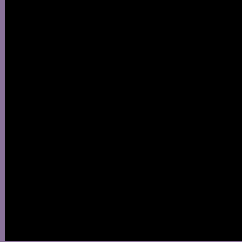
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.6946, 20.1170, 33.6972

Background



This preview shows how black text looks on a background with the XYZ color 22.6946, 20.1170, 33.6972.



This preview shows how white text looks on a background with the XYZ color 22.6946, 20.1170,

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

22.6946, 20.1170, 33.6972

Protanopia

20.3676, 20.2814, 36.0989

Deuteranopia

20.6774, 20.3171, 33.4036



Tritanopia

20.6706, 20.1688, 23.5724

Trichromacy



Original Color

22.6946, 20.1170, 33.6972

Protanomaly

21.0564, 20.1125, 35.1201

Deuteranomaly

21.3316, 20.1159, 33.3303

Tritanomaly

21.2192, 20.0261, 26.7918

Monochromacy



Original Color

22.6946, 20.1170, 33.6972

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.9584, 20.7974, 26.5766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6946, 20.1170, 33.6972 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(139, 115, 155)` looks like.

```
.text, #text, p{  
    color:rgb(139, 115, 155)  
}
```

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(139, 115, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 115, 155) }
```

Border

The CSS property to change the border of an element to XYZ 22.6946, 20.1170, 33.6972 is called "border". The border property can be set on classes, ids or directly on the HTML element.

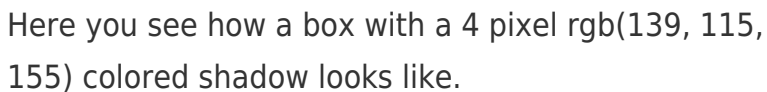
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(139, 115, 155) }
```


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

```
.border{ border-color:rgb(139, 115, 155) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 115, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 115, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 115, 155); box-shadow:4px 4px 4px 4px rgb(139, 115, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6946, 20.1170, 33.6972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 115, 155) }
```

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

```
.background{ background-color: rgb(139,  
115, 155) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor