

Converting Colors

XYZ(24.7846, 20.3983, 35.1973)

Have a look what the booklet for
XYZ(24.7846, 20.3983, 35.1973)
contains.

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Color

**XYZ(24.6964, 20.2959,
34.9636)**

Conversions

Conversions Part 1

Format	Color
Hex	986E9E
RGB	152, 110, 158
RGB Percent	60%, 43%, 62%
CMY	0.4039, 0.5686, 0.3804
CMYK	0.04, 0.30, 0.00, 0.38
HSL	293°, 20%, 53%
HSV	293°, 30%, 62%
XYZ	24.6964, 20.2959, 34.9636
YIQ	128.0300, 9.6240, 23.8320

Conversions

Conversions Part 2

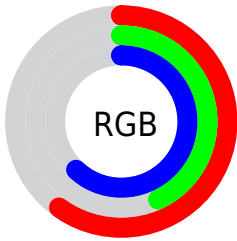
Format	Color
R_{YB}	152, 110, 158
Decimal	9989790
CIE _{Lab}	52.17, 25.22, -19.42
CIE _{LCh}	52, 31.832, 322.401
Yxy	20.2959, 0.3089, 0.2538
Android (android.graphics.Color)	4288179870 (0xFF986E9E)
YUV	128.0300, 14.7752, 21.0217
Hunter-Lab	45.0510, 19.0124, -14.4787

Details

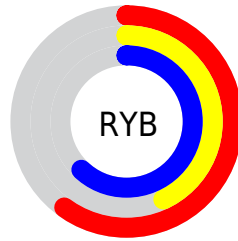
The XYZ color **24.6964, 20.2959, 34.9636** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.2445, 29.2930, 19.2346**, and the grayscale version is **20.4768, 21.5432, 23.4606**.

A 20% lighter version of the original color is **50.6627, 43.9102, 68.7561**, and **9.5258, 7.0874, 14.5016** is the 20% darker color. If you saturate the color by 10%, you get **22.7750, 16.9968, 34.4284**, and if you desaturate by 10%, it is **26.9293, 24.2078, 35.6013**.

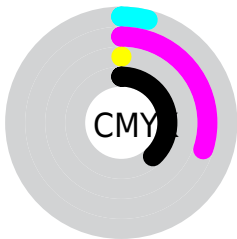
Distribution



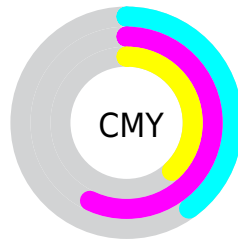
- Red (60%)
- Green (43%)
- Blue (62%)



- Red (60%)
- Yellow (43%)
- Blue (62%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (38%)





- Cyan (40%)
- Magenta (57%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6964, 20.2959, 34.9636 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 24.6964, 20.2959, 34.9636 by changing the saturation by 10% instead.

 24.6964, 20.2959,
34.9636


 24.6964, 20.2959,
34.9636


268.6982,
253.5125, 339.3070

 15.9785, 12.6103,
23.3515


 50.6107, 43.9127,
68.5803


 9.5997, 7.1608,
14.6455


 68.5379, 60.6128,
91.4220

 5.1946, 3.5628,
8.4271


 90.2655, 81.0864,
118.8440

 2.3978, 1.4322,
4.2778

 116.1590,
105.7180, 151.2648

 0.8440, 0.2402,
1.7789

146.5836,
134.8921, 189.1029

 0.0000, 0.0000,
0.4140

181.9048,

 0.0000, 0.0000,

168.9929, 232.7770

0.0000

222.4879,
208.4049, 282.7055

■ 24.6964, 20.2959,
34.9636

■ 24.6964, 20.2959,
34.9636

■ 22.7750, 16.9968,
34.4284

■ 26.9293, 24.2078,
35.6013

■ 21.1468, 14.2756,
33.9890

■ 29.4866, 28.7599,
36.3452

■ 19.7949, 12.0979,
33.6399

■ 32.3830, 33.9810,
37.2003

■ 18.6996, 10.4244,
33.3746

■ 35.6317, 39.8974,
38.1710

■ 17.8388, 9.2108,
33.1857

■ 39.2451, 46.5339,
39.2615

■ 17.1861, 8.4047,
33.0645

■ 43.2351, 53.9142,
40.4758

■ 16.6945, 7.8934,
32.9917

■ 47.6130, 62.0608,
41.8175

■ 52.3896, 70.9954,
43.2903

■ 57.5752, 80.7387,
44.8976

Harmonies

Analogous

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



21.7798, 20.2959, 43.2023



24.6964, 20.2959, 34.9636



26.1961, 20.2959, 24.5592

Triad

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



24.6964, 20.2959, 34.9636



20.1316, 20.2959, 8.6517



14.0555, 20.2959, 29.6717

Complementary

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



24.6964, 20.2959, 34.9636



22.2445, 29.2930, 19.2346

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.



13.7197, 20.2959, 19.8084



24.6964, 20.2959, 34.9636



16.9988, 20.2959, 9.3083

Square

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



24.6964, 20.2959, 34.9636



23.3742, 20.2959, 10.7072



14.7376, 20.2959, 12.8544



15.7128, 20.2959, 39.5954

Rectangle

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



24.6964, 20.2959, 34.9636



26.0844, 20.2959, 18.4628



14.7376, 20.2959, 12.8544



13.7926, 20.2959, 26.1833

Sweetspot

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



24.6970, 20.2968, 34.9640



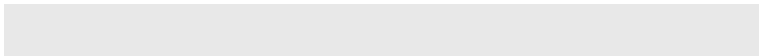
54.1463, 53.3020, 66.1779



18.8944, 18.3678, 34.8975



12.0519, 11.7383, 14.8742



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.



24.6970, 20.2968, 34.9640



42.5778, 32.9425, 62.8579



24.4403, 20.3271, 27.6019



6.8225, 6.7125, 8.3427



13.3930, 6.3334, 26.4238



0.2601, 0.1239, 0.4734

Inverse Universe

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



22.8295, 19.6828, 19.1198



38.7279, 31.6929, 29.4656



22.5280, 29.3172, 24.7566



6.6651, 6.6590, 7.0877



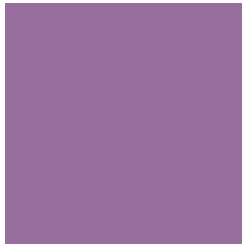
11.4010, 5.8650, 1.0970



0.2124, 0.1083, 0.0646

Previews

White Background



This preview shows how the XYZ color 24.6964, 20.2959, 34.9636 looks on a white background.

Color Contrast Check

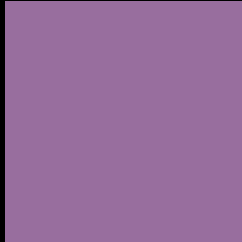
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6964, 20.2959, 34.9636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

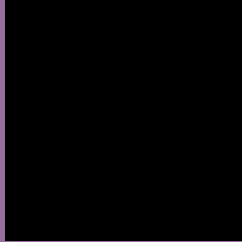
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.6964, 20.2959, 34.9636

Background



This preview shows how black text looks on a background with the XYZ color 24.6964, 20.2959, 34.9636.



This preview shows how white text looks on a background with the XYZ color 24.6964, 20.2959,

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

24.6964, 20.2959, 34.9636

Protanopia

20.8329, 20.4378, 39.8927

Deuteranopia

20.8454, 20.3843, 34.2884



Tritanopia

21.9797, 20.1745, 22.1376

Trichromacy



Original Color

24.6964, 20.2959, 34.9636

Protanomaly

21.9317, 20.1492, 37.8552

Deuteranomaly

22.0800, 20.2967, 34.6522

Tritanomaly

22.9271, 20.2303, 26.3634

Monochromacy



Original Color

24.6964, 20.2959, 34.9636

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.8141, 20.8572, 27.3022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6964, 20.2959, 34.9636 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(152, 110, 158)` looks like.

```
.text, #text, p{  
    color:rgb(152, 110, 158)  
}
```

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(152, 110, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 110, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.6964, 20.2959, 34.9636 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(152, 110, 158) }
```


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

```
.border{ border-color:rgb(152, 110, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 110, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 110, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 110, 158);  
box-shadow:4px 4px 4px 4px rgb(152, 110,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6964, 20.2959, 34.9636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 110, 158) }
```

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

```
.background{ background-color: rgb(152,  
110, 158) }
```

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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