

Converting Colors

XYZ(22.9424, 18.7759, 29.6516)

Have a look what the booklet for
XYZ(22.9424, 18.7759, 29.6516)
contains.

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Color

**XYZ(22.8176, 18.6625,
29.5937)**

Conversions

Conversions Part 1

Format	Color
Hex	966992
RGB	150, 105, 146
RGB Percent	59%, 41%, 57%
CMY	0.4118, 0.5882, 0.4274
CMYK	0.00, 0.30, 0.03, 0.41
HSL	305°, 18%, 50%
HSV	305°, 30%, 59%
XYZ	22.8176, 18.6625, 29.5937
YIQ	123.1290, 13.6590, 22.2910

Conversions

Conversions Part 2

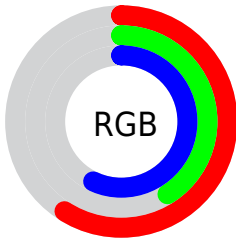
Format	Color
R_{YB}	150, 105, 146
Decimal	9857426
CIE _{Lab}	50.29, 25.02, -15.26
CIE _{LCh}	50, 29.305, 328.622
Yxy	18.6625, 0.3210, 0.2626
Android (android.graphics.Color)	4288047506 (0xFF966992)
YUV	123.1290, 11.2754, 23.5659
Hunter-Lab	43.2001, 18.6806, -10.3758

Details

The XYZ color **22.8176, 18.6625, 29.5937** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.4932, 25.9208, 18.4450**, and the grayscale version is **18.8306, 19.8112, 21.5744**.

A 20% lighter version of the original color is **47.6591, 41.2632, 60.0963**, and **8.5657, 6.3491, 11.6005** is the 20% darker color. If you saturate the color by 10%, you get **21.3195, 15.8311, 28.5857**, and if you desaturate by 10%, it is **24.5875, 22.0350, 30.6987**.

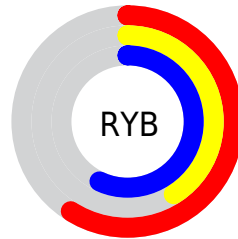
Distribution



Red (59%)

Green (41%)

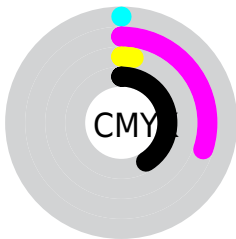
Blue (57%)



Red (59%)

Yellow (41%)

Blue (57%)

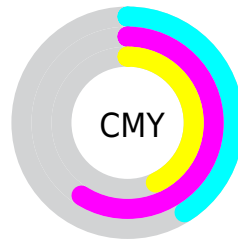


Cyan (0%)

Magenta (30%)

Yellow (3%)

Black (41%)



Cyan (41%)

Magenta (59%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8176, 18.6625, 29.5937 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 22.8176, 18.6625, 29.5937 by changing the saturation by 10% instead.

■ 22.8176, 18.6625,
29.5937

■ 22.8176, 18.6625,
29.5937

259.3396,
244.5792, 314.1541

■ 14.5788, 11.4267,
19.2810

■ 47.5625, 41.1630,
60.0724

■ 8.6087, 6.3546,
11.6946

■ 64.7994, 57.1965,
81.0755

■ 4.5419, 3.0619,
6.4161

■ 85.7663, 76.9313,
106.4791

■ 2.0130, 1.1641,
3.0268

■ 110.8287,
100.7518, 136.7018

■ 0.6413, 0.0321,
1.1084

140.3519,
129.0425, 172.1621

■ 0.0000, 0.0000,
0.0000

174.7012,

162.1877, 213.2786

214.2420,
200.5718, 260.4697

■ 22.8176, 18.6625,
29.5937

■ 22.8176, 18.6625,
29.5937

■ 21.3195, 15.8311,
28.5857

■ 24.5875, 22.0350,
30.6987

■ 20.0774, 13.5100,
27.6687

■ 26.6407, 25.9724,
31.9040

■ 19.0764, 11.6692,
26.8380

■ 28.9900, 30.5001,
33.2140

■ 18.2993, 10.2743,
26.0879

■ 31.6469, 35.6411,
34.6325

■ 17.7268, 9.2866,
25.4118

■ 34.6224, 41.4173,
36.1633

■ 17.3361, 8.6608,
24.8023

■ 37.9269, 47.8494,
37.8098

■ 17.0693, 8.2807,
24.2398

■ 41.5702, 54.9573,
39.5754

■ 17.0693, 8.2807,
24.2397

■ 45.5619, 62.7600,
41.4632

■ 49.9112, 71.2757,
43.4763

Harmonies

Analogous

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



20.4831, 18.6625, 37.3605



22.8176, 18.6625, 29.5937



23.7729, 18.6625, 20.6985

Triad

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



22.8176, 18.6625, 29.5937



17.8697, 18.6625, 8.3574



13.3657, 18.6625, 28.7651

Complementary

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



22.8176, 18.6625, 29.5937



19.4932, 25.9208, 18.4450

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.



12.8223, 18.6625, 19.9467



22.8176, 18.6625, 29.5937



15.2501, 18.6625, 9.4562

Square

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



22.8176, 18.6625, 29.5937



20.7343, 18.6625, 9.6837



13.4747, 18.6625, 13.2199



15.0455, 18.6625, 36.7992

Rectangle

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



22.8176, 18.6625, 29.5937



23.4291, 18.6625, 15.7266



13.4747, 18.6625, 13.2199



13.0525, 18.6625, 25.7313

Sweetspot

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



22.8182, 18.6633, 29.5941



47.3345, 46.4510, 56.4852



16.8334, 15.5415, 30.9673



10.3753, 10.0737, 12.4524



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.8182, 18.6633, 29.5941



38.4422, 29.4797, 51.0135



21.2523, 18.0370, 21.3482



6.0133, 5.9004, 7.1763



14.1626, 6.8701, 20.1352



0.1786, 0.0862, 0.2741

Inverse Universe

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



22.8182, 18.6633, 29.5941



38.4422, 29.4797, 51.0135



20.8465, 26.4621, 25.5714



6.0133, 5.9004, 7.1763



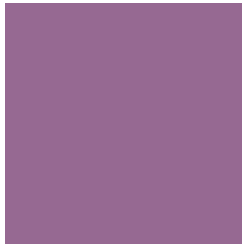
14.1626, 6.8701, 20.1352



0.1786, 0.0862, 0.2741

Previews

White Background



This preview shows how the XYZ color 22.8176, 18.6625, 29.5937 looks on a white background.

Color Contrast Check

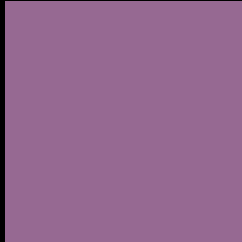
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8176, 18.6625, 29.5937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

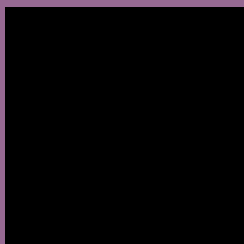
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.8176, 18.6625, 29.5937

Background



This preview shows how black text looks on a background with the XYZ color 22.8176, 18.6625, 29.5937.



This preview shows how white text looks on a background with the XYZ color 22.8176, 18.6625,

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

22.8176, 18.6625, 29.5937

Protanopia

19.0280, 18.9089, 34.0994

Deuteranopia

19.1411, 18.7293, 28.9918



Tritanopia

20.7598, 18.5948, 19.9478

Trichromacy



Original Color

22.8176, 18.6625, 29.5937

Protanomaly

20.1423, 18.6616, 32.2462

Deuteranomaly

20.3760, 18.6799, 29.3197

Tritanomaly

21.3576, 18.5131, 23.2166

Monochromacy



Original Color

22.8176, 18.6625, 29.5937

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.0150, 19.1160, 24.1076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8176, 18.6625, 29.5937 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(150, 105, 146)` looks like.

```
.text, #text, p{  
    color:rgb(150, 105, 146)  
}
```

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(150, 105, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 105, 146) }
```

Border

The CSS property to change the border of an element to XYZ 22.8176, 18.6625, 29.5937 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(150, 105, 146) }
```


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

```
.border{ border-color:rgb(150, 105, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 105, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 105, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 105, 146);  
box-shadow:4px 4px 4px 4px rgb(150, 105,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8176, 18.6625, 29.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 105, 146) }
```

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

```
.background{ background-color: rgb(150,  
105, 146) }
```

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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