

Converting Colors

XYZ(29.8655, 22.8620, 31.5983)

Have a look what the booklet for
XYZ(29.8655, 22.8620, 31.5983)
contains.

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Color

**XYZ(29.7961, 22.8426,
31.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	B46D96
RGB	180, 109, 150
RGB Percent	71%, 43%, 59%
CMY	0.2941, 0.5725, 0.4118
CMYK	0.00, 0.39, 0.17, 0.29
HSL	325°, 32%, 57%
HSV	325°, 39%, 71%
XYZ	29.7961, 22.8426, 31.6928
YIQ	134.9030, 29.1550, 27.8030

Conversions

Conversions Part 2

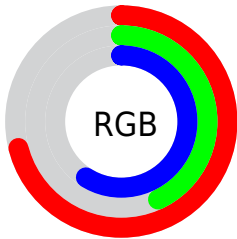
Format	Color
R _Y B	180, 109, 150
Decimal	11824534
CIE Lab	54.91, 34.01, -10.29
CIE LCh	55, 35.535, 343.173
Yxy	22.8426, 0.3533, 0.2709
Android (android.graphics.Color)	4290014614 (0xFFB46D96)
YUV	134.9030, 7.4428, 39.5501
Hunter-Lab	47.7939, 27.6426, -5.8602

Details

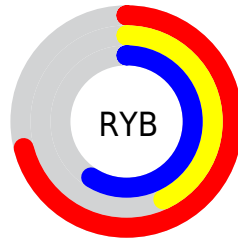
The XYZ color **29.7961, 22.8426, 31.6928** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.2892, 37.7586, 30.2777**, and the grayscale version is **22.9595, 24.1552, 26.3050**.

A 20% lighter version of the original color is **58.7445, 48.2048, 63.3350**, and **12.4203, 8.4644, 12.7836** is the 20% darker color. If you saturate the color by 10%, you get **27.4762, 19.1512, 27.9952**, and if you desaturate by 10%, it is **32.5503, 27.3384, 35.7318**.

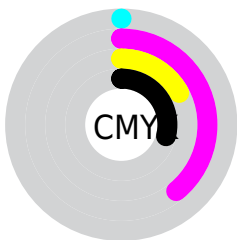
Distribution



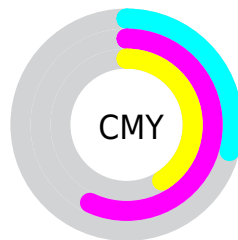
- Red (71%)
- Green (43%)
- Blue (59%)



- Red (71%)
- Yellow (43%)
- Blue (59%)



- Cyan (0%)
- Magenta (39%)
- Yellow (17%)
- Black (29%)



- Cyan (29%)
- Magenta (57%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7961, 22.8426, 31.6928 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 29.7961, 22.8426, 31.6928 by changing the saturation by 10% instead.

■ 29.7961, 22.8426,
31.6928

■ 29.7961, 22.8426,
31.6928

292.8798,
266.9155, 324.1670

■ 19.8312, 14.4773,
20.8641

■ 58.7284, 48.1347,
63.4215

■ 12.3799, 8.4534,
12.8344

■ 78.4265, 65.8304,
85.1585

■ 7.0770, 4.3864,
7.1852

■ 102.0997, 87.4050,
111.3688

■ 3.5571, 1.8920,
3.4980

■ 130.1134,
113.2429, 142.4708

■ 1.4547, 0.5435,
1.3542

162.8329,
143.7285, 178.8831

■ 0.2947, 0.0000,
0.1056

200.6235,

■ 0.0000, 0.0000,

179.2462, 221.0242

0.0000

243.8507,
220.1804, 269.3126

■ 29.7961, 22.8426,
31.6928

■ 29.7961, 22.8426,
31.6928

■ 27.4762, 19.1512,
27.9952

■ 32.5503, 27.3384,
35.7318

■ 25.5637, 16.2124,
24.6256

■ 35.7596, 32.6800,
40.1221

■ 24.0316, 13.9732,
21.5716

■ 39.4459, 38.9096,
44.8747

■ 22.8488, 12.3726,
18.8187

■ 43.6290, 46.0658,
49.9995

■ 21.9785, 11.3385,
16.3507

■ 48.3276, 54.1847,
55.5061

■ 21.3507, 10.7321,
14.1401

■ 53.5593, 63.3007,
61.4037

■ 21.3182, 10.7017,
14.0227

■ 59.3409, 73.4464,
67.7011

■ 65.6885, 84.6528,
74.4066

■ 67.2972, 86.3092,
79.7551

Harmonies

Analogous

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



27.3155, 22.8426, 44.2775



29.7961, 22.8426, 31.6928



29.9507, 22.8426, 20.2494

Triad

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



29.7961, 22.8426, 31.6928



20.0308, 22.8426, 9.1675



16.6436, 22.8426, 42.8568

Complementary

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



29.7961, 22.8426, 31.6928



27.2892, 37.7586, 30.2777

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.



15.1411, 22.8426, 30.1487



29.7961, 22.8426, 31.6928



16.9312, 22.8426, 12.1711

Square

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



29.7961, 22.8426, 31.6928



23.9779, 22.8426, 9.3527



15.2396, 22.8426, 19.1071



19.5920, 22.8426, 51.9413

Rectangle

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



29.7961, 22.8426, 31.6928



28.6864, 22.8426, 14.7923



15.2396, 22.8426, 19.1071



15.9696, 22.8426, 38.7257

Sweetspot

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



29.7968, 22.8437, 31.6933



69.5878, 67.2646, 78.9188



24.2859, 19.6870, 45.7004



14.8525, 14.2201, 16.8170



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



29.7968, 22.8437, 31.6933



50.4570, 35.7255, 51.8177



27.3817, 21.8776, 18.9754



8.6952, 8.5848, 9.8931



14.9128, 7.4827, 9.9667



0.4976, 0.2468, 0.4631

Inverse Universe

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



29.7968, 22.8437, 31.6933



50.4570, 35.7255, 51.8177



30.2769, 38.9536, 46.0106



8.6952, 8.5848, 9.8931



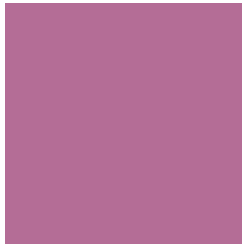
14.9128, 7.4827, 9.9667



0.4976, 0.2468, 0.4631

Previews

White Background



This preview shows how the XYZ color 29.7961, 22.8426, 31.6928 looks on a white background.

Color Contrast Check

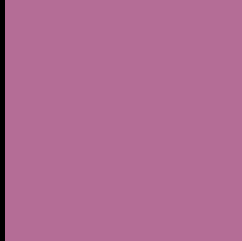
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7961, 22.8426, 31.6928 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 29.7961, 22.8426, 31.6928

Background



This preview shows how black text looks on a background with the XYZ color 29.7961, 22.8426, 31.6928.



This preview shows how white text looks on a background with the XYZ color 29.7961, 22.8426,

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

29.7961, 22.8426, 31.6928

Protanopia

23.1293, 23.1980, 38.3806

Deuteranopia

23.4669, 22.9482, 30.7964



Tritanopia

27.7239, 22.8118, 21.6808

Trichromacy



Original Color

29.7961, 22.8426, 31.6928

Protanomaly

24.8426, 22.5984, 35.8535

Deuteranomaly

25.3195, 22.5852, 31.0419

Tritanomaly

28.3879, 22.7468, 25.0847

Monochromacy



Original Color

29.7961, 22.8426, 31.6928

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.9570, 23.3945, 28.0112

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7961, 22.8426, 31.6928 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(180, 109, 150)` looks like.

```
.text, #text, p{  
    color:rgb(180, 109, 150)  
}
```

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(180, 109, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 109, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.7961, 22.8426, 31.6928 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(180, 109, 150) }
```


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

```
.border{ border-color:rgb(180, 109, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 109, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 109, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 109, 150);  
box-shadow:4px 4px 4px 4px rgb(180, 109,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7961, 22.8426, 31.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 109, 150) }
```

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

```
.background{ background-color: rgb(180,  
109, 150) }
```

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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