

Converting Colors

XYZ(28.5300, 31.6433, 22.3231)

Have a look what the booklet for
XYZ(28.5300, 31.6433, 22.3231)
contains.

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Color

**XYZ(28.6291, 31.7673,
22.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9B78
RGB	155, 155, 120
RGB Percent	61%, 61%, 47%
CMY	0.3922, 0.3921, 0.5294
CMYK	0.00, 0.00, 0.23, 0.39
HSL	60°, 15%, 54%
HSV	60°, 23%, 61%
XYZ	28.6291, 31.7673, 22.3921
YIQ	151.0100, 11.2350, -10.8850

Conversions

Conversions Part 2

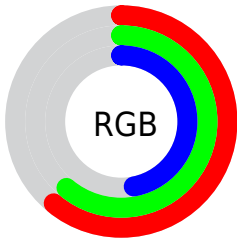
Format	Color
RYB	120, 155, 120
Decimal	10197880
CIELab	63.15, -6.00, 18.41
CIELCh	63, 19.366, 108.044
Yxy	31.7673, 0.3458, 0.3837
Android (android.graphics.Color)	4288387960 (0xFF9B9B78)
YUV	151.0100, -15.2879, 3.4992
Hunter-Lab	56.3625, -7.9660, 15.8986

Details

The XYZ color **28.6291, 31.7673, 22.3921** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.3798, 19.7934, 33.7585**, and the grayscale version is **29.4804, 31.0156, 33.7760**.

A 20% lighter version of the original color is **56.8252, 62.2811, 48.0562**, and **11.6812, 13.2391, 7.9010** is the 20% darker color. If you saturate the color by 10%, you get **27.7636, 31.4222, 17.8323**, and if you desaturate by 10%, it is **29.6486, 32.1762, 27.7553**.

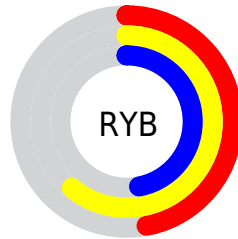
Distribution



Red (61%)

Green (61%)

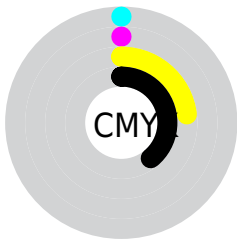
Blue (47%)



Red (47%)

Yellow (61%)

Blue (47%)

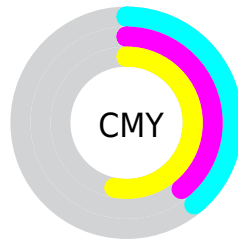


Cyan (0%)

Magenta (0%)

Yellow (23%)

Black (39%)



Cyan (39%)

Magenta (39%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6291, 31.7673, 22.3921 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 28.6291, 31.7673, 22.3921 by changing the saturation by 10% instead.

■ 28.6291, 31.7673,
22.3921

■ 28.6291, 31.7673,
22.3921

287.4868,
310.0579, 277.6071

■ 18.9433, 21.1838,
13.9442

■ 56.8889, 62.4461,
48.3037

■ 11.7331, 13.2584,
7.9436

■ 76.1937, 83.3102,
66.6045

■ 6.6331, 7.6067,
3.9716

■ 99.4354, 108.3700,
89.0266

■ 3.2780, 3.8444,
1.6098

126.9795,
138.0099, 115.9887

■ 1.3024, 1.5869,
0.2978

159.1913,
172.6142, 147.9093

■ 0.1850, 0.3487,
0.0000

196.4363,

■ 0.0000, 0.0000,

212.5674, 185.2068

0.0000

239.0796,
258.2538, 228.2999

■ 28.6291, 31.7673,
22.3921

■ 28.6291, 31.7673,
22.3921

■ 27.7636, 31.4222,
17.8323

■ 29.6486, 32.1762,
27.7553

■ 27.0423, 31.1336,
14.0354

■ 30.8263, 32.6473,
33.9559

■ 26.4581, 30.8999,
10.9604


■ 32.1697, 33.1847,
41.0284


■ 26.0022, 30.7175,
8.5616


■ 33.6846, 33.7907,
49.0045


■ 25.6652, 30.5826,
6.7880


■ 35.3769, 34.4677,
57.9146


 25.4358, 30.4909,
5.5816


 37.2521, 35.2178,
67.7876

 25.3010, 30.4369,
4.8734

 39.3154, 36.0431,
78.6512

 25.2375, 30.4115,
4.5398

 41.5718, 36.9457,
90.5318

 43.2923, 37.6339,
99.5901

Harmonies

Analogous

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



31.2716, 31.7673, 22.0906



28.6291, 31.7673, 22.3921



26.5293, 31.7673, 25.6487

Triad

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



28.6291, 31.7673, 22.3921



26.8851, 31.7673, 46.7362



35.5085, 31.7673, 37.7304

Complementary

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



28.6291, 31.7673, 22.3921



20.3798, 19.7934, 33.7585

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.



34.1812, 31.7673, 45.3977



28.6291, 31.7673, 22.3921



29.1412, 31.7673, 51.0878

Square

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



28.6291, 31.7673, 22.3921



25.5641, 31.7673, 39.3537



31.8146, 31.7673, 50.5647



35.3513, 31.7673, 30.2256

Rectangle

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



28.6291, 31.7673, 22.3921



25.6717, 31.7673, 29.3703



31.8146, 31.7673, 50.5647



35.2181, 31.7673, 40.3924

Sweetspot

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



28.6299, 31.7687, 22.3928



54.2069, 58.0660, 55.5604



23.6252, 21.7583, 20.7244



12.2440, 13.1328, 12.4416



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.



28.6299, 31.7687, 22.3928



50.4699, 56.5711, 35.8871



25.5114, 30.1610, 22.2468



6.7089, 7.2229, 6.6464



20.2698, 24.4253, 3.6462



0.3030, 0.3652, 0.0545

Inverse Universe

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



20.3798, 19.7934, 33.7585



33.0825, 31.3328, 59.8405



23.0325, 21.1609, 33.8826



5.8845, 6.0264, 7.7820



4.7523, 1.9009, 25.0241



0.0711, 0.0284, 0.3741

Previews

White Background



This preview shows how the XYZ color 28.6291, 31.7673, 22.3921 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 28.6291, 31.7673, 22.3921 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 ✓ Pass

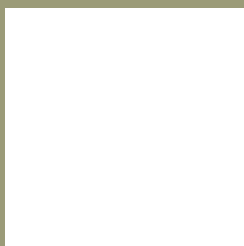
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6291, 31.7673, 22.3921

Background



This preview shows how black text looks on a background with the XYZ color 28.6291, 31.7673, 22.3921.



This preview shows how white text looks on a background with the XYZ color 28.6291, 31.7673,

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

28.6291, 31.7673, 22.3921

Protanopia

29.8253, 31.9009, 22.0383

Deuteranopia

32.3067, 31.7376, 22.8356



Tritanopia

31.6777, 31.5417, 38.1368

Trichromacy



Original Color

28.6291, 31.7673, 22.3921

Protanomaly

29.3826, 31.9167, 22.0647

Deuteranomaly

30.9351, 31.7392, 22.5850

Tritanomaly

30.3555, 31.4776, 31.6700

Monochromacy



Original Color

28.6291, 31.7673, 22.3921

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.9108, 31.0253, 29.2757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6291, 31.7673, 22.3921 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(155, 155, 120)` looks like.

```
.text, #text, p{  
    color:rgb(155, 155, 120)  
}
```

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(155, 155, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 155, 120) }
```

Border

The CSS property to change the border of an element to XYZ 28.6291, 31.7673, 22.3921 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(155, 155, 120) }
```


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

```
.border{ border-color:rgb(155, 155, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 155, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 155, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 155, 120);  
box-shadow:4px 4px 4px 4px rgb(155, 155,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6291, 31.7673, 22.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 155, 120) }
```

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

```
.background{ background-color: rgb(155,  
155, 120) }
```

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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