

Converting Colors

XYZ(27.9689, 30.7750, 23.0125)

Have a look what the booklet for
XYZ(27.9689, 30.7750, 23.0125)
contains.

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Color

**XYZ(27.8780, 30.6339,
22.8560)**

Conversions

Conversions Part 1

Format	Color
Hex	99987A
RGB	153, 152, 122
RGB Percent	60%, 60%, 48%
CMY	0.4000, 0.4039, 0.5216
CMYK	0.00, 0.01, 0.20, 0.40
HSL	58°, 13%, 54%
HSV	58°, 20%, 60%
XYZ	27.8780, 30.6339, 22.8560
YIQ	148.8790, 10.2260, -9.1180

Conversions

Conversions Part 2

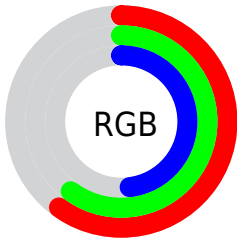
Format	Color
RYB	123, 153, 122
Decimal	10066042
CIELab	62.20, -4.85, 15.96
CIELCh	62, 16.681, 106.898
Yxy	30.6339, 0.3426, 0.3765
Android (android.graphics.Color)	4288256122 (0xFF99987A)
YUV	148.8790, -13.2513, 3.6141
Hunter-Lab	55.3479, -6.9508, 14.2596

Details

The XYZ color **27.8780, 30.6339, 22.8560** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.8588, 20.6031, 33.0147**, and the grayscale version is **28.5678, 30.0555, 32.7305**.

A 20% lighter version of the original color is **55.8216, 60.6477, 49.3215**, and **11.3358, 12.6132, 8.1405** is the 20% darker color. If you saturate the color by 10%, you get **26.9243, 30.1259, 18.2235**, and if you desaturate by 10%, it is **28.9829, 31.2050, 28.2761**.

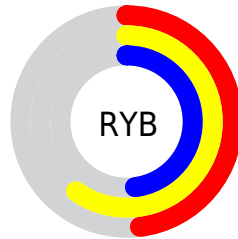
Distribution



Red (60%)

Green (60%)

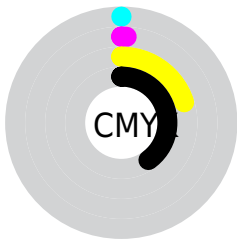
Blue (48%)



Red (48%)

Yellow (60%)

Blue (48%)

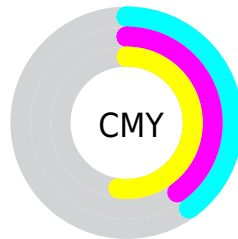


Cyan (0%)

Magenta (1%)

Yellow (20%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8780, 30.6339, 22.8560 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 27.8780, 30.6339, 22.8560 by changing the saturation by 10% instead.

■ 27.8780, 30.6339,
22.8560

■ 27.8780, 30.6339,
22.8560

283.9742,
304.8481, 280.0824

■ 18.3737, 20.3202,
14.2829

■ 55.6996, 60.6632,
49.0770

■ 11.3199, 12.6280,
8.1767

■ 74.7476, 81.1477,
67.5619

■ 6.3513, 7.1729,
4.1188

■ 97.7076, 105.7912,
90.1879

■ 3.1025, 3.5705,
1.6908

124.9449,
134.9781, 117.3735

■ 1.2082, 1.4363,
0.3544

156.8248,
169.0929, 149.5372

■ 0.1128, 0.2433,
0.0000

193.7128,

■ 0.0000, 0.0000,

208.5199, 187.0976

0.0000

235.9741,
253.6435, 230.4731

■ 27.8780, 30.6339,
22.8560

■ 27.8780, 30.6339,
22.8560

■ 26.9243, 30.1259,
18.2235

■ 28.9829, 31.2050,
28.2761

■ 26.1125, 29.6742,
14.3400

■ 30.2432, 31.8376,
34.5160

■ 25.4358, 29.2771,
11.1664

■ 31.6657, 32.5358,
41.6088

■ 24.8860, 28.9312,
8.6595

■ 33.2562, 33.3016,
49.5850

■ 24.4540, 28.6330,
6.7714

■ 35.0204, 34.1375,
58.4735

■ 24.1295, 28.3783,
5.4476

■ 36.9634, 35.0454,
68.3020

■ 23.9004, 28.1623,
4.6244

■ 39.0902, 36.0273,
79.0971

■ 23.7395, 27.9774,
4.1490

■ 41.4057, 37.0853,
90.8842

■ 43.1481, 37.9146,
99.6518

Harmonies

Analogous

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



30.1076, 30.6339, 22.6914



27.8780, 30.6339, 22.8560



26.0729, 30.6339, 25.5905

Triad

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



27.8780, 30.6339, 22.8560



26.2615, 30.6339, 43.2361



33.5333, 30.6339, 36.2410

Complementary

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



27.8780, 30.6339, 22.8560



20.8588, 20.6031, 33.0147

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.



32.3884, 30.6339, 42.5501



27.8780, 30.6339, 22.8560



28.1476, 30.6339, 46.9251

Square

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



27.8780, 30.6339, 22.8560



25.1730, 30.6339, 37.0849



30.3914, 30.6339, 46.6590



33.4519, 30.6339, 29.8842

Rectangle

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



27.8780, 30.6339, 22.8560



25.3185, 30.6339, 28.7294



30.3914, 30.6339, 46.6590



33.2767, 30.6339, 38.4525

Sweetspot

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



27.8788, 30.6353, 22.8567



52.8049, 56.3394, 55.0861



23.6740, 22.1227, 21.7727



11.6314, 12.4259, 12.0229



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



27.8788, 30.6353, 22.8567



49.1751, 54.4665, 37.2693



25.4742, 29.6369, 22.7907



6.6919, 7.1888, 6.6407



19.6249, 23.1323, 3.4306



0.2979, 0.3549, 0.0528

Inverse Universe

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



20.8588, 20.6031, 33.0147



34.4322, 33.3980, 58.6037



22.9390, 21.4929, 33.0768



5.8996, 6.0566, 7.7871



4.8010, 1.9987, 25.0405



0.0755, 0.0373, 0.3756

Previews

White Background



This preview shows how the XYZ color 27.8780, 30.6339, 22.8560 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 27.8780, 30.6339, 22.8560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

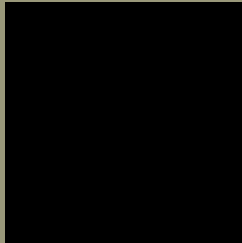
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

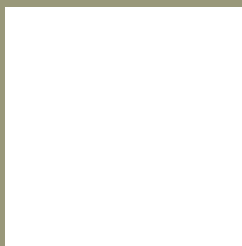
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8780, 30.6339, 22.8560

Background



This preview shows how black text looks on a background with the XYZ color 27.8780, 30.6339, 22.8560.



This preview shows how white text looks on a background with the XYZ color 27.8780, 30.6339,

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

27.8780, 30.6339, 22.8560

Protanopia

28.6556, 30.5641, 22.4783

Deuteranopia

31.0669, 30.4004, 23.2992



Tritanopia

30.7923, 30.6397, 37.0920

Trichromacy



Original Color

27.8780, 30.6339, 22.8560

Protanomaly

28.4224, 30.6818, 22.5133

Deuteranomaly

29.7348, 30.4045, 23.0404

Tritanomaly

29.6461, 30.6381, 31.5454

Monochromacy



Original Color

27.8780, 30.6339, 22.8560

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.1442, 30.1608, 28.7644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8780, 30.6339, 22.8560 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(153, 152, 122)` looks like.

```
.text, #text, p{  
    color:rgb(153, 152, 122)  
}
```

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(153, 152, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 152, 122) }
```

Border

The CSS property to change the border of an element to XYZ 27.8780, 30.6339, 22.8560 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(153, 152, 122) }
```


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

```
.border{ border-color:rgb(153, 152, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 152, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 152, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 152, 122);  
box-shadow:4px 4px 4px 4px rgb(153, 152,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8780, 30.6339, 22.8560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 152, 122) }
```

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

```
.background{ background-color: rgb(153,  
152, 122) }
```

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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