

Converting Colors

XYZ(27.8247, 30.7976, 23.3776)

Have a look what the booklet for
XYZ(27.8247, 30.7976, 23.3776)
contains.

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Color

**XYZ(27.7289, 30.7918,
23.2208)**

Conversions

Conversions Part 1

Format	Color
Hex	97997B
RGB	151, 153, 123
RGB Percent	59%, 60%, 48%
CMY	0.4078, 0.4000, 0.5176
CMYK	0.01, 0.00, 0.20, 0.40
HSL	64°, 13%, 54%
HSV	64°, 20%, 60%
XYZ	27.7289, 30.7918, 23.2208
YIQ	148.9820, 8.4380, -9.7540

Conversions

Conversions Part 2

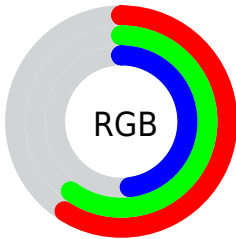
Format	Color
RYB	123, 153, 125
Decimal	9935227
CIELab	62.33, -6.02, 15.56
CIElCh	62, 16.687, 111.148
Yxy	30.7918, 0.3392, 0.3767
Android (android.graphics.Color)	4288125307 (0xFF97997B)
YUV	148.9820, -12.8091, 1.7698
Hunter-Lab	55.4904, -7.9105, 14.0324

Details

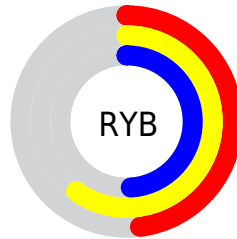
The XYZ color **27.7289, 30.7918, 23.2208** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.2913, 20.8265, 33.0364**, and the grayscale version is **28.6098, 30.0998, 32.7787**.

A 20% lighter version of the original color is **55.3261, 60.7394, 49.8822**, and **11.2429, 12.7065, 8.3386** is the 20% darker color. If you saturate the color by 10%, you get **26.6566, 30.3421, 18.5557**, and if you desaturate by 10%, it is **28.9542, 31.3050, 28.6758**.

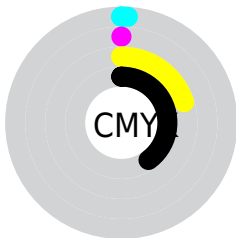
Distribution



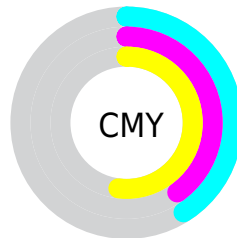
- Red (59%)
- Green (60%)
- Blue (48%)



- Red (48%)
- Yellow (60%)
- Blue (49%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)



- Cyan (41%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7289, 30.7918, 23.2208 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 27.7289, 30.7918, 23.2208 by changing the saturation by 10% instead.

■ 27.7289, 30.7918,
23.2208

■ 27.7289, 30.7918,
23.2208

283.2729,
305.5780, 282.0156

■ 18.2608, 20.4404,
14.5498

■ 55.4630, 60.9121,
49.6834

■ 11.2382, 12.7155,
8.3609

■ 74.4597, 81.4498,
68.3121

■ 6.2958, 7.2330,
4.2357

■ 97.3634, 106.1517,
91.0971

■ 3.0681, 3.6082,
1.7555

124.5393,
135.4022, 118.4569

■ 1.1899, 1.4569,
0.3984

156.3528,
169.5857, 150.8102

■ 0.0984, 0.2581,
0.0000

193.1694,

■ 0.0000, 0.0000,

209.0865, 188.5753

0.0000

235.3543,
254.2892, 232.1710

■ 27.7289, 30.7918,
23.2208

■ 27.7289, 30.7918,
23.2208

■ 26.6566, 30.3421,
18.5557

■ 28.9542, 31.3050,
28.6758

■ 25.7279, 29.9490,
14.6420

■ 30.3366, 31.8801,
34.9529

■ 24.9362, 29.6109,
11.4409

■ 31.8829, 32.5210,
42.0848

■ 24.2732, 29.3245,
8.9095

■ 33.5990, 33.2300,
50.1021

■ 23.7300, 29.0861,
7.0002

■ 35.4904, 34.0093,
59.0335

■ 23.2963, 28.8918,
5.6589

■ 37.5623, 34.8610,
68.9068

■ 22.9601, 28.7366,
4.8228

■ 39.8196, 35.7871,
79.7483

■ 22.6932, 28.6094,
4.3433

■ 42.2674, 36.7896,
91.5835

■ 22.6831, 28.6045,
4.3257

■ 43.9779, 37.4973,
99.5276

Harmonies

Analogous

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



29.9395, 30.7918, 22.6857



27.7289, 30.7918, 23.2208



26.0157, 30.7918, 26.3197

Triad

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



27.7289, 30.7918, 23.2208



26.6281, 30.7918, 44.1663



33.7671, 30.7918, 35.4760

Complementary

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



27.7289, 30.7918, 23.2208



21.2913, 20.8265, 33.0364

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.



32.7778, 30.7918, 41.9429



27.7289, 30.7918, 23.2208



28.6040, 30.7918, 47.3667

Square

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



27.7289, 30.7918, 23.2208



25.4033, 30.7918, 38.2134



30.8603, 30.7918, 46.5046



33.5032, 30.7918, 29.2404

Rectangle

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



27.7289, 30.7918, 23.2208



25.3492, 30.7918, 29.6696



30.8603, 30.7918, 46.5046



33.5683, 30.7918, 37.7052

Sweetspot

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



27.7297, 30.7932, 23.2215



52.6824, 56.4070, 55.1056



24.0466, 22.8703, 21.8863



11.6018, 12.4423, 12.0277



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.



27.7297, 30.7932, 23.2215



48.6901, 54.7379, 37.3473



25.1208, 29.4482, 23.0994



6.6682, 7.2019, 6.6445



18.7572, 23.6456, 3.5754



0.2910, 0.3589, 0.0539

Inverse Universe

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



21.2913, 20.8265, 33.0364



34.7835, 33.2094, 58.5487



23.6489, 22.0419, 33.1467



5.9208, 6.0450, 7.7837



4.8693, 1.9613, 25.0296



0.0817, 0.0339, 0.3746

Previews

White Background



This preview shows how the XYZ color 27.7289, 30.7918, 23.2208 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 27.7289, 30.7918, 23.2208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

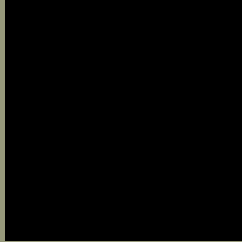
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

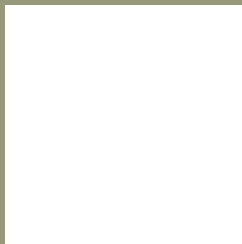
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7289, 30.7918, 23.2208

Background



This preview shows how black text looks on a background with the XYZ color 27.7289, 30.7918, 23.2208.



This preview shows how white text looks on a background with the XYZ color 27.7289, 30.7918,

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

27.7289, 30.7918, 23.2208

Protanopia

28.9164, 30.6914, 22.8123

Deuteranopia

31.2826, 30.7301, 23.6848



Tritanopia

30.6454, 30.7858, 37.5848

Trichromacy



Original Color

27.7289, 30.7918, 23.2208

Protanomaly

28.4841, 30.7065, 22.8380

Deuteranomaly

29.9539, 30.7420, 23.4238

Tritanomaly

29.4992, 30.7893, 31.9919

Monochromacy



Original Color

27.7289, 30.7918, 23.2208

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.2176, 30.1902, 29.1510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7289, 30.7918, 23.2208 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(151, 153, 123)` looks like.

```
.text, #text, p{  
    color:rgb(151, 153, 123)  
}
```

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(151, 153, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 153, 123) }
```

Border

The CSS property to change the border of an element to XYZ 27.7289, 30.7918, 23.2208 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(151, 153, 123) }
```


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

```
.border{ border-color:rgb(151, 153, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 153, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 153, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 153, 123);  
box-shadow:4px 4px 4px 4px rgb(151, 153,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7289, 30.7918, 23.2208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 153, 123) }
```

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

```
.background{ background-color: rgb(151,  
153, 123) }
```

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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