

Converting Colors

XYZ(27.4992, 22.1782, 52.7006)

Have a look what the booklet for
XYZ(27.4992, 22.1782, 52.7006)
contains.

XYZ(27.4992, 22.1782, 52.7006)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.4992, 22.1782,
52.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	9273C0
RGB	146, 115, 192
RGB Percent	57%, 45%, 75%
CMY	0.4274, 0.5490, 0.2471
CMYK	0.24, 0.40, 0.00, 0.25
HSL	264°, 38%, 60%
HSV	264°, 40%, 75%
XYZ	27.4992, 22.1782, 52.7006
YIQ	133.0470, -6.2410, 30.5190

Conversions

Conversions Part 2

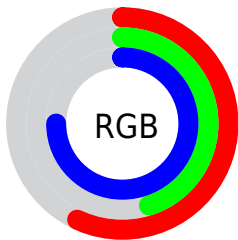
Format	Color
R _Y B	146, 115, 192
Decimal	9597888
CIE Lab	54.22, 28.04, -35.97
CIE LCh	54, 45.609, 307.943
Yxy	22.1782, 0.2686, 0.2166
Android (android.graphics.Color)	4287787968 (0xFF9273C0)
YUV	133.0470, 29.0638, 11.3598
Hunter-Lab	47.0937, 21.8165, -33.3833

Details

The XYZ color **27.4992, 22.1782, 52.7006** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.6426, 46.5146, 23.2674**, and the grayscale version is **22.2113, 23.3680, 25.4477**.

A 20% lighter version of the original color is **55.0050, 46.8945, 95.7750**, and **11.0499, 8.0586, 25.0178** is the 20% darker color. If you saturate the color by 10%, you get **23.5959, 17.2477, 51.9550**, and if you desaturate by 10%, it is **32.0646, 28.1278, 53.6087**.

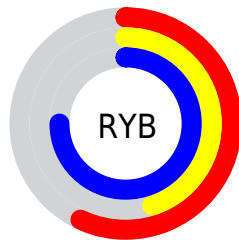
Distribution



Red (57%)

Green (45%)

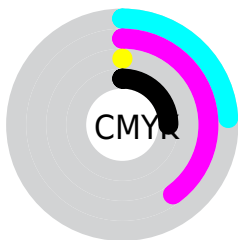
Blue (75%)



Red (57%)

Yellow (45%)

Blue (75%)

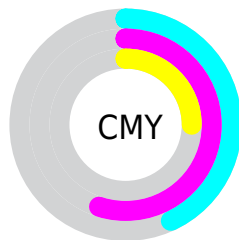


Cyan (24%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (43%)

Magenta (55%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4992, 22.1782, 52.7006 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 27.4992, 22.1782, 52.7006 by changing the saturation by 10% instead.

■ 27.4992, 22.1782,
52.7006

■ 27.4992, 22.1782,
52.7006

282.1898,
263.4755, 414.1690

■ 18.0870, 13.9879,
37.1777

■ 55.0981, 47.0403,
95.6007

■ 11.1125, 8.1122,
25.0483

■ 74.0156, 64.4810,
123.8151

■ 6.2104, 4.1669,
15.8937

■ 96.8322, 85.7738,
157.0970

■ 3.0153, 1.7673,
9.2954

■ 123.9133,
111.3033, 195.8650

■ 1.1619, 0.4667,
4.8349

155.6243,
141.4539, 240.5377

■ 0.0759, 0.0000,
2.0937

192.3304,

■ 0.0000, 0.0000,

176.6098, 291.5336

0.6120

234.3971,
217.1555, 349.2712

■ 0.0000, 0.0000,
0.0000

■ 27.4992, 22.1782,
52.7006

■ 27.4992, 22.1782,
52.7006

■ 23.5959, 17.2477,
51.9550

■ 32.0646, 28.1278,
53.6087

■ 20.3179, 13.2736,
51.3607

■ 37.3216, 35.1490,
54.6869

■ 17.6279, 10.1901,
50.9073

■ 43.3006, 43.2937,
55.9439

■ 15.4831, 7.9213,
50.5824

■ 50.0294, 52.6097,
57.3874

■ 13.8339, 6.3783,
50.3715

■ 57.5342, 63.1419,
59.0248

■ 12.5993, 5.3961,
50.2470

■ 65.8401, 74.9328,
60.8628

■ 74.9708, 88.0228,
62.9082

■ 80.4548, 93.4619,
63.6691

■ 84.4245, 95.5083,
63.8548

Harmonies

Analogous

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



22.4242, 22.1782, 62.5202



27.4992, 22.1782, 52.7006



31.2032, 22.1782, 35.9161

Triad

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



27.4992, 22.1782, 52.7006



24.8649, 22.1782, 6.6572



12.9798, 22.1782, 28.1196

Complementary

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



27.4992, 22.1782, 52.7006



36.6426, 46.5146, 23.2674

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.



13.4234, 22.1782, 15.2806



27.4992, 22.1782, 52.7006



19.7900, 22.1782, 5.9487

Square

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



27.4992, 22.1782, 52.7006



29.5238, 22.1782, 10.9538



15.7462, 22.1782, 8.3859



14.4219, 22.1782, 45.1179

Rectangle

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



27.4992, 22.1782, 52.7006



32.1098, 22.1782, 25.1413



15.7462, 22.1782, 8.3859



12.9182, 22.1782, 23.1818

Sweetspot

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



27.5000, 22.1791, 52.7011



76.0837, 75.1894, 100.8633



29.3652, 33.0110, 54.6936



16.0086, 15.7013, 21.5722



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.5000, 22.1791, 52.7011



43.6308, 32.3408, 94.3031



35.4848, 26.2954, 53.0748



9.9036, 9.9415, 12.6817



8.5609, 3.6737, 33.8145



0.4477, 0.1989, 1.4647

Inverse Universe

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



34.3025, 26.0419, 36.9373



57.9784, 40.5026, 60.3954



30.0703, 43.1265, 22.9598



10.3201, 10.1766, 11.7760



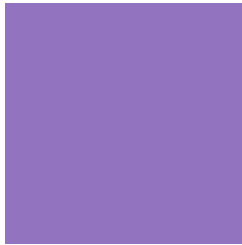
16.7375, 8.3848, 11.7958



0.7565, 0.3756, 0.6853

Previews

White Background



This preview shows how the XYZ color 27.4992, 22.1782, 52.7006 looks on a white background.

Color Contrast Check

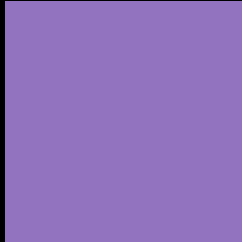
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4992, 22.1782, 52.7006 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 27.4992, 22.1782, 52.7006

Background



This preview shows how black text looks on a background with the XYZ color 27.4992, 22.1782, 52.7006.



This preview shows how white text looks on a background with the XYZ color 27.4992, 22.1782,

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

27.4992, 22.1782, 52.7006

Protanopia

23.7295, 22.2678, 58.9245

Deuteranopia

22.8613, 22.3779, 51.2586



Tritanopia

22.2581, 22.2191, 26.7825

Trichromacy



Original Color

27.4992, 22.1782, 52.7006

Protanomaly

24.7472, 22.0947, 56.3865

Deuteranomaly

24.2476, 22.1261, 51.7080

Tritanomaly

23.9840, 22.1757, 34.9145

Monochromacy



Original Color

27.4992, 22.1782, 52.7006

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.7748, 22.6581, 33.6922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4992, 22.1782, 52.7006 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(146, 115, 192)` looks like.

```
.text, #text, p{  
    color:rgb(146, 115, 192)  
}
```

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(146, 115, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 115, 192) }
```

Border

The CSS property to change the border of an element to XYZ 27.4992, 22.1782, 52.7006 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(146, 115, 192) }
```


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

```
.border{ border-color:rgb(146, 115, 192) }
```

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

Here you see how a box with a 4 pixel rgb(146, 115, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 115, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 115, 192);  
box-shadow:4px 4px 4px 4px rgb(146, 115,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4992, 22.1782, 52.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 115, 192) }
```

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

```
.background{ background-color: rgb(146,  
115, 192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor