

Converting Colors

XYZ(33.5252, 25.1711, 72.7656)

Have a look what the booklet for
XYZ(33.5252, 25.1711, 72.7656)
contains.

| | |
|--|----|
| XYZ(33.5852, 25.2184, 72.9095) | 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(33.5852, 25.2184,
72.9095)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9D75DF |
| RGB | 157, 117, 223 |
| RGB Percent | 62%, 46%, 87% |
| CMY | 0.3843, 0.5412, 0.1255 |
| CMYK | 0.30, 0.48, 0.00, 0.13 |
| HSL | 263°, 62%, 67% |
| HSV | 263°, 48%, 87% |
| XYZ | 33.5852, 25.2184, 72.9095 |
| YIQ | 141.0440, -10.1860, 41.4460 |

Conversions

Conversions Part 2

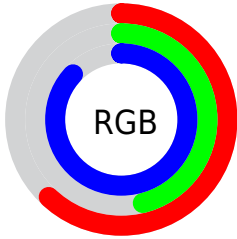
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 157, 117, 223 |
| Decimal | 10319327 |
| CIELab | 57.29, 37.59, -48.62 |
| CIELCh | 57, 61.454, 307.713 |
| Yxy | 25.2184, 0.2550, 0.1915 |
| Android (android.graphics.Color) | 4288509407 (0xFF9D75DF) |
| YUV | 141.0440, 40.4043, 13.9934 |
| Hunter-Lab | 50.2179, 31.4975, -50.9284 |

Details

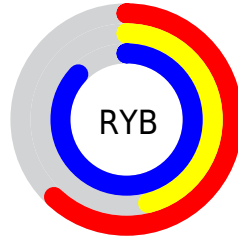
The XYZ color **33.5852, 25.2184, 72.9095** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.1274, 64.1274, 26.6190**, and the grayscale version is **25.1850, 26.4966, 28.8548**.

A 20% lighter version of the original color is **60.1563, 50.2656, 101.1394**, and **14.4617, 9.6291, 37.6556** is the 20% darker color. If you saturate the color by 10%, you get **28.7330, 19.3089, 72.0250**, and if you desaturate by 10%, it is **39.3660, 32.5261, 74.0158**.

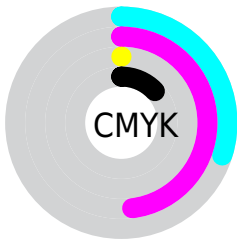
Distribution



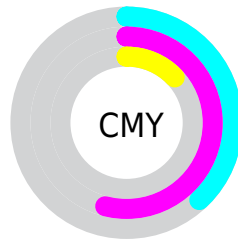
- Red (62%)
- Green (46%)
- Blue (87%)



- Red (62%)
- Yellow (46%)
- Blue (87%)



- Cyan (30%)
- Magenta (48%)
- Yellow (0%)
- Black (13%)



- Cyan (38%)
- Magenta (54%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5852, 25.2184, 72.9095 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 33.5852, 25.2184, 72.9095 by changing the saturation by 10% instead.

■ 33.5852, 25.2184,
72.9095

■ 33.5852, 25.2184,
72.9095

309.8971,
278.9238, 489.7635

■ 22.7365, 16.2398,
53.4106

■ 64.6367, 52.0113,
125.0685

■ 14.5187, 9.6940,
37.7407

■ 85.5702, 70.5945,
158.5656

■ 8.5664, 5.1966,
25.4812

■ 110.5960, 93.1479,
197.5659

■ 4.5143, 2.3631,
16.2137

140.0794,
120.0561, 242.4878

■ 1.9970, 0.8068,
9.5195

174.3859,
151.7034, 293.7500

■ 0.6323, 0.0000,
4.9801

213.8808,

■ 0.0000, 0.0000,

188.4742, 351.7710

2.1771

258.9294,
230.7529, 416.9693

■ 0.0000, 0.0000,
0.6611

■ 0.0000, 0.0000,
0.0000

■ 33.5852, 25.2184,
72.9095

■ 33.5852, 25.2184,
72.9095

■ 28.7330, 19.3089,
72.0250

■ 39.3660, 32.5261,
74.0158

■ 24.7516, 14.7001,
71.3453

■ 46.1226, 41.3147,
75.3561

■ 21.5806, 11.2863,
70.8535

■ 53.9020, 51.6636,
76.9436

■ 19.1489, 8.9425,
70.5293

■ 62.7474, 63.6458,
78.7902

■ 17.3639, 7.5014,
70.3452

■ 72.6993, 77.3295,
80.9069

■ 16.9893, 7.2197,
70.3106

■ 83.7960, 92.7789,
83.3041

■ 90.0242, 97.9556,
83.9750

■ 90.3194, 98.1077,
83.9888

Harmonies

Analogous

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



25.8963, 25.2184, 89.3669



33.5852, 25.2184, 72.9095



39.3831, 25.2184, 45.6270

Triad

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



33.5852, 25.2184, 72.9095



29.6756, 25.2184, 4.5680



12.6076, 25.2184, 33.1942

Complementary

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



33.5852, 25.2184, 72.9095



49.1274, 64.1274, 26.6190

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.



13.2156, 25.2184, 14.8949



33.5852, 25.2184, 72.9095



22.1404, 25.2184, 3.8177

Square

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



33.5852, 25.2184, 72.9095



36.8262, 25.2184, 9.5194



16.3901, 25.2184, 6.3951



14.5186, 25.2184, 59.9796

Rectangle

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



33.5852, 25.2184, 72.9095



40.8402, 25.2184, 29.0884



16.3901, 25.2184, 6.3951



12.5326, 25.2184, 25.8908

Sweetspot

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



33.5862, 25.2194, 72.9101



76.9898, 75.3250, 105.0891



37.8243, 43.4468, 76.2050



15.9395, 15.3951, 22.3814



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.5862, 25.2194, 72.9101



39.0016, 26.2424, 97.6174



45.9380, 31.5869, 73.4881



13.4384, 13.4940, 17.2840



10.1052, 4.3047, 41.3467



0.7976, 0.3485, 2.8705

Inverse Universe

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



45.3405, 31.8302, 48.5540



57.2210, 36.5136, 58.7671



38.9800, 58.8962, 26.1441



14.0643, 13.8433, 16.1086



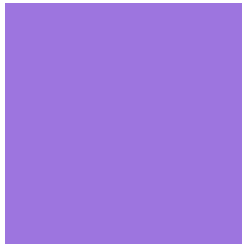
20.6833, 10.3403, 15.5300



1.4767, 0.7340, 1.3033

Previews

White Background



This preview shows how the XYZ color 33.5852, 25.2184, 72.9095 looks on a white background.

Color Contrast Check

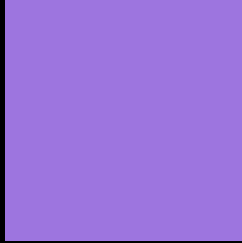
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5852, 25.2184, 72.9095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

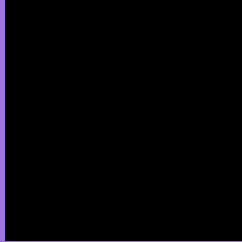
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5852, 25.2184, 72.9095

Background



This preview shows how black text looks on a background with the XYZ color 33.5852, 25.2184, 72.9095.



This preview shows how white text looks on a background with the XYZ color 33.5852, 25.2184,

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

33.5852, 25.2184, 72.9095

Protanopia

28.4195, 25.5063, 85.0867

Deuteranopia

26.2883, 25.5667, 70.5672



Tritanopia

25.0076, 25.1541, 30.7313

Trichromacy



Original Color

33.5852, 25.2184, 72.9095

Protanomaly

29.4974, 24.9664, 80.3551

Deuteranomaly

28.1034, 24.8456, 71.0246

Tritanomaly

27.3918, 24.6974, 43.3678

Monochromacy



Original Color

33.5852, 25.2184, 72.9095

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.6346, 25.6458, 42.0217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5852, 25.2184, 72.9095 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(157, 117, 223)` looks like.

```
.text, #text, p{  
    color:rgb(157, 117, 223)  
}
```

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(157, 117, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 117, 223) }
```

Border

The CSS property to change the border of an element to XYZ 33.5852, 25.2184, 72.9095 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(157, 117, 223) }
```


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

```
.border{ border-color:rgb(157, 117, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 117, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 117, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 117, 223);  
box-shadow:4px 4px 4px 4px rgb(157, 117,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5852, 25.2184, 72.9095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 117, 223) }
```

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

```
.background{ background-color: rgb(157,  
117, 223) }
```

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