

Converting Colors

XYZ(33.8262, 25.6202, 75.7832)

Have a look what the booklet for
XYZ(33.8262, 25.6202, 75.7832)
contains.

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Color

**XYZ(33.7884, 25.6097,
75.8354)**

Conversions

Conversions Part 1

Format	Color
Hex	9A77E3
RGB	154, 119, 227
RGB Percent	60%, 47%, 89%
CMY	0.3961, 0.5333, 0.1098
CMYK	0.32, 0.48, 0.00, 0.11
HSL	259°, 66%, 68%
HSV	259°, 48%, 89%
XYZ	33.7884, 25.6097, 75.8354
YIQ	141.7770, -13.8080, 41.0080

Conversions

Conversions Part 2

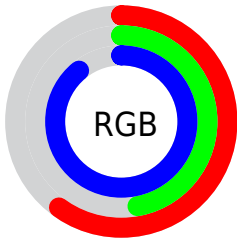
Format	Color
RYB	154, 119, 227
Decimal	10123235
CIELab	57.66, 36.68, -50.27
CIElCh	58, 62.232, 306.113
Yxy	25.6097, 0.2499, 0.1894
Android (android.graphics.Color)	4288313315 (0xFF9A77E3)
YUV	141.7770, 42.0149, 10.7196
Hunter-Lab	50.6060, 30.6195, -53.4245

Details

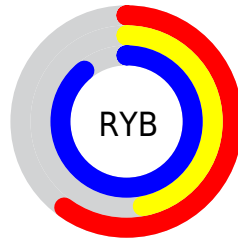
The XYZ color **33.7884, 25.6097, 75.8354** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **52.5373, 67.4769, 27.7088**, and the grayscale version is **25.4673, 26.7935, 29.1782**.

A 20% lighter version of the original color is **59.6665, 50.5739, 101.2247**, and **14.6864, 9.9732, 39.6790** is the 20% darker color. If you saturate the color by 10%, you get **28.6665, 19.4269, 74.9124**, and if you desaturate by 10%, it is **39.9307, 33.2771, 76.9921**.

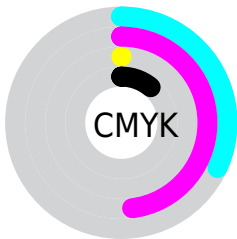
Distribution



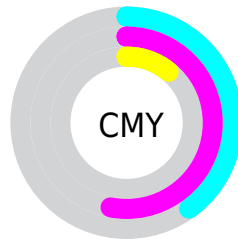
- Red (60%)
- Green (47%)
- Blue (89%)



- Red (60%)
- Yellow (47%)
- Blue (89%)



- Cyan (32%)
- Magenta (48%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7884, 25.6097, 75.8354 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 33.7884, 25.6097, 75.8354 by changing the saturation by 10% instead.

■ 33.7884, 25.6097,
75.8354

■ 33.7884, 25.6097,
75.8354

310.7900,
280.8608, 500.1159

■ 22.8932, 16.5319,
55.7917

■ 64.9510, 52.6446,
129.2522

■ 14.6349, 9.9013,
39.6331

■ 85.9490, 71.3705,
163.4623

■ 8.6482, 5.3336,
26.9410

■ 111.0454, 94.0812,
203.2317

■ 4.5677, 2.4443,
17.2968

140.6056,
121.1612, 248.9788

■ 2.0281, 0.8485,
10.2822

174.9947,
152.9947, 301.1223

■ 0.6496, 0.0000,
5.4784

214.5783,

■ 0.0000, 0.0000,

189.9662, 360.0806

2.4670

259.7216,
232.4601, 426.2723

■ 0.0000, 0.0000,
0.8226

■ 0.0000, 0.0000,
0.0000

■ 33.7884, 25.6097,
75.8354

■ 33.7884, 25.6097,
75.8354

■ 28.6665, 19.4269,
74.9124

■ 39.9307, 33.2771,
76.9921

■ 24.5013, 14.6251,
74.2051

■ 47.1457, 42.5170,
78.3953

■ 21.2259, 11.0917,
73.6957

■ 55.4856, 53.4142,
80.0591

■ 18.7622, 8.6941,
73.3628

■ 64.9981, 66.0460,
81.9959

■ 17.0088, 7.2553,
73.1775

■ 75.7281, 80.4850,
84.2174

■ 16.6562, 6.9849,
73.1439

■ 87.6533, 96.6703,
86.7130

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



25.8973, 25.6097, 91.7218



33.7884, 25.6097, 75.8354



39.9128, 25.6097, 47.9940

Triad

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



33.7884, 25.6097, 75.8354



30.6090, 25.6097, 4.6897



12.7035, 25.6097, 32.4809

Complementary

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



33.7884, 25.6097, 75.8354



52.5373, 67.4769, 27.7088

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.



13.4600, 25.6097, 14.3619



33.7884, 25.6097, 75.8354



22.8489, 25.6097, 3.7602

Square

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



33.7884, 25.6097, 75.8354



37.8309, 25.6097, 10.0316



16.8429, 25.6097, 6.1492



14.5131, 25.6097, 59.6905

Rectangle

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



33.7884, 25.6097, 75.8354



41.5948, 25.6097, 30.7569



16.8429, 25.6097, 6.1492



12.6722, 25.6097, 25.1969

Sweetspot

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



33.7894, 25.6107, 75.8360



76.3729, 75.0070, 105.0603



40.4993, 47.5203, 79.7113



15.7902, 15.3182, 22.3744



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.



33.7894, 25.6107, 75.8360



37.4454, 25.4401, 97.5446



46.2506, 32.0347, 76.4192



14.0205, 14.1128, 18.1294



9.8224, 4.1295, 42.6626



0.8204, 0.3539, 3.1570

Inverse Universe

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



47.7902, 33.3310, 53.7836



58.1503, 36.8853, 63.6606



41.4136, 61.7425, 27.1882



14.7860, 14.5316, 17.0735



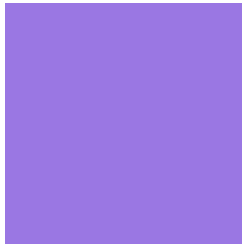
21.9048, 10.8961, 18.9255



1.6608, 0.8220, 1.6204

Previews

White Background



This preview shows how the XYZ color 33.7884, 25.6097, 75.8354 looks on a white background.

Color Contrast Check

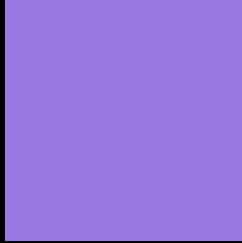
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7884, 25.6097, 75.8354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

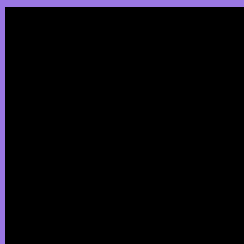
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7884, 25.6097, 75.8354

Background



This preview shows how black text looks on a background with the XYZ color 33.7884, 25.6097, 75.8354.



This preview shows how white text looks on a background with the XYZ color 33.7884, 25.6097,

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

33.7884, 25.6097, 75.8354

Protanopia

28.9074, 25.9124, 87.4824

Deuteranopia

26.6717, 25.9168, 73.4087



Tritanopia

24.7722, 25.4327, 31.6203

Trichromacy



Original Color

33.7884, 25.6097, 75.8354

Protanomaly

29.9464, 25.3256, 83.4308

Deuteranomaly

28.5159, 25.3951, 73.9198

Tritanomaly

27.4200, 25.0689, 44.9886

Monochromacy



Original Color

33.7884, 25.6097, 75.8354

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.9220, 26.1783, 43.1164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7884, 25.6097, 75.8354 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(154, 119, 227)` looks like.

```
.text, #text, p{  
    color:rgb(154, 119, 227)  
}
```

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(154, 119, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 119, 227) }
```

Border

The CSS property to change the border of an element to XYZ 33.7884, 25.6097, 75.8354 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(154, 119, 227) }
```


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

```
.border{ border-color:rgb(154, 119, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 119, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 119, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 119, 227);  
box-shadow:4px 4px 4px 4px rgb(154, 119,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7884, 25.6097, 75.8354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 119, 227) }
```

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

```
.background{ background-color: rgb(154,  
119, 227) }
```

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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