

Converting Colors

XYZ(33.6433, 26.0089, 97.8548)

Have a look what the booklet for
XYZ(33.6433, 26.0089, 97.8548)
contains.

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Color

**XYZ(33.5698, 25.9204,
97.8416)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7CFF
RGB	124, 124, 255
RGB Percent	49%, 49%, 100%
CMY	0.5137, 0.5137, 0.0000
CMYK	0.51, 0.51, 0.00, 0.00
HSL	240°, 100%, 74%
HSV	240°, 51%, 100%
XYZ	33.5698, 25.9204, 97.8416
YIQ	138.9340, -42.0510, 40.7410

Conversions

Conversions Part 2

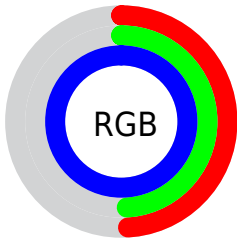
Format	Color
RYB	124, 124, 255
Decimal	8158463
CIELab	57.96, 34.63, -65.48
CIELCh	58, 74.073, 297.876
Yxy	25.9204, 0.2134, 0.1647
Android (android.graphics.Color)	4286348543 (0xFF7C7CFF)
YUV	138.9340, 57.2205, -13.0971
Hunter-Lab	50.9121, 28.6011, -78.3036

Details

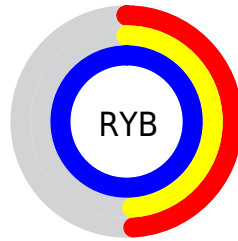
The XYZ color **33.5698, 25.9204, 97.8416** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **80.6366, 94.2345, 33.0083**, and the grayscale version is **24.3148, 25.5811, 27.8578**.

A 20% lighter version of the original color is **53.5393, 48.8546, 101.2158**, and **14.4576, 10.0240, 53.9962** is the 20% darker color. If you saturate the color by 10%, you get **27.5566, 18.6744, 96.7599**, and if you desaturate by 10%, it is **41.3637, 35.3111, 99.2434**.

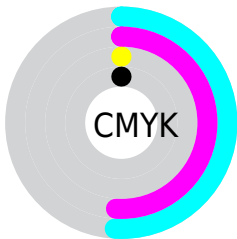
Distribution



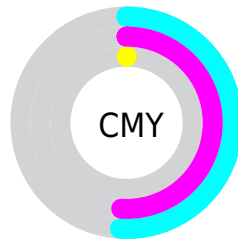
- Red (49%)
- Green (49%)
- Blue (100%)



- Red (49%)
- Yellow (49%)
- Blue (100%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5698, 25.9204, 97.8416 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 33.5698, 25.9204, 97.8416 by changing the saturation by 10% instead.

■ 33.5698, 25.9204,
97.8416

■ 33.5698, 25.9204,
97.8416

309.8293,
282.3911, 574.4377

■ 22.7246, 16.7641,
73.8924

■ 64.6129, 53.1465,
160.2138

■ 14.5099, 10.0664,
54.2097

■ 85.5414, 71.9851,
199.4738

■ 8.5602, 5.4430,
38.3750

■ 110.5619, 94.8199,
244.6746

■ 4.5102, 2.5095,
25.9698

140.0395,
122.0353, 296.2346

■ 1.9947, 0.8814,
16.5755

174.3398,
154.0158, 354.5723

■ 0.6310, 0.0000,
9.7735

213.8279,

■ 0.0000, 0.0000,

191.1456, 420.1064

5.1454

258.8693,
233.8093, 493.2554

■ 0.0000, 0.0000,
2.2726

■ 0.0000, 0.0000,
0.7158

■ 33.5698, 25.9204,
97.8416

■ 33.5698, 25.9204,
97.8416

■ 27.5566, 18.6744,
96.7599

■ 41.3637, 35.3111,
99.2434

■ 23.1809, 13.4020,
95.9728

■ 51.0604, 46.9949,
100.9875

■ 20.2825, 9.9098,
95.4515

■ 62.7747, 61.1100,
103.0946

■ 18.6680, 7.9646,
95.1611

■ 76.6115, 77.7826,
105.5834

■ 18.0501, 7.2201,
95.0500

■ 92.6686, 97.1306,
108.4717

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



24.0056, 25.9204, 111.4204



33.5698, 25.9204, 97.8416



42.2299, 25.9204, 63.2853

Triad

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



33.5698, 25.9204, 97.8416



34.9430, 25.9204, 3.7012



11.1517, 25.9204, 26.4391

Complementary

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



33.5698, 25.9204, 97.8416



80.6366, 94.2345, 33.0083

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.



12.7670, 25.9204, 9.3166



33.5698, 25.9204, 97.8416



25.2785, 25.9204, 2.0839

Square

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



33.5698, 25.9204, 97.8416



43.1480, 25.9204, 10.9074



17.4479, 25.9204, 3.2503



12.3608, 25.9204, 58.0292

Rectangle

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



33.5698, 25.9204, 97.8416



45.5293, 25.9204, 39.8639



17.4479, 25.9204, 3.2503



11.3720, 25.9204, 19.1023

Sweetspot

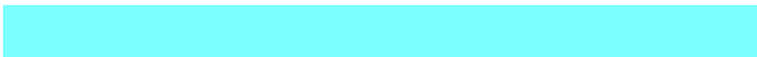
The Sweet Spot groups the original color and five complimentary colors.



33.5708, 25.9212, 97.8417



71.3398, 71.4305, 104.6352



62.1224, 83.0252, 107.3590



14.6424, 14.5332, 22.2834



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.



33.5708, 25.9212, 97.8417



27.2351, 18.2871, 96.7021



46.3685, 32.5186, 98.4406



17.0032, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

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



66.4971, 42.8954, 99.3790



63.5546, 37.0106, 98.3974



60.5089, 83.8582, 32.0664



18.7927, 18.3004, 22.7917



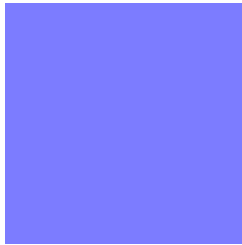
30.9796, 14.8811, 50.6705



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 33.5698, 25.9204, 97.8416 looks on a white background.

Color Contrast Check

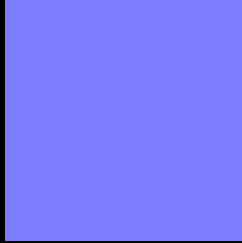
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5698, 25.9204, 97.8416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

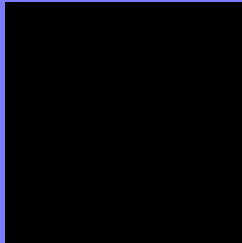
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5698, 25.9204, 97.8416

Background



This preview shows how black text looks on a background with the XYZ color 33.5698, 25.9204, 97.8416.



This preview shows how white text looks on a background with the XYZ color 33.5698, 25.9204,

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

33.5698, 25.9204, 97.8416

Protanopia

29.7745, 26.1257, 98.0812

Deuteranopia

26.9375, 26.0148, 94.8684



Tritanopia

21.2059, 25.6978, 36.6434

Trichromacy



Original Color

33.5698, 25.9204, 97.8416

Protanomaly

30.7824, 25.8323, 97.9715

Deuteranomaly

27.3168, 24.9141, 95.4646

Tritanomaly

24.6791, 25.3033, 54.6222

Monochromacy



Original Color

33.5698, 25.9204, 97.8416

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.6971, 25.4547, 47.2222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5698, 25.9204, 97.8416 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(124, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 255)  
}
```

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(124, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.5698, 25.9204, 97.8416 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(124, 124, 255) }
```


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

```
.border{ border-color:rgb(124, 124, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 124, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 124,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5698, 25.9204, 97.8416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 124, 255) }
```

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

```
.background{ background-color: rgb(124,  
124, 255) }
```

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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