

Converting Colors

XYZ(45.3461, 33.1434, 98.6151)

Have a look what the booklet for
XYZ(45.3461, 33.1434, 98.6151)
contains.

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Color

**XYZ(45.3240, 33.1303,
98.6137)**

Conversions

Conversions Part 1

Format	Color
Hex	B682FF
RGB	182, 130, 255
RGB Percent	71%, 51%, 100%
CMY	0.2863, 0.4902, 0.0000
CMYK	0.29, 0.49, 0.00, 0.00
HSL	265°, 100%, 75%
HSV	265°, 49%, 100%
XYZ	45.3240, 33.1303, 98.6137
YIQ	159.7980, -9.1330, 49.8990

Conversions

Conversions Part 2

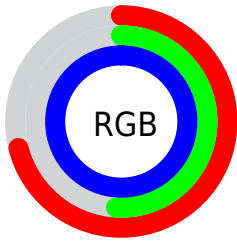
Format	Color
RYB	182, 130, 255
Decimal	11961087
CIELab	64.27, 44.66, -55.11
CIELCh	64, 70.934, 309.016
Yxy	33.1303, 0.2560, 0.1871
Android (android.graphics.Color)	4290151167 (0xFFB682FF)
YUV	159.7980, 46.9346, 19.4712
Hunter-Lab	57.5589, 39.8293, -61.2882

Details

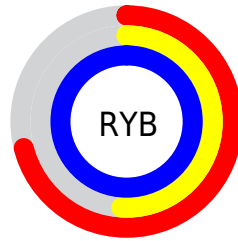
The XYZ color **45.3240, 33.1303, 98.6137** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.4179, 85.8282, 34.2914**, and the grayscale version is **33.1157, 34.8403, 37.9410**.

A 20% lighter version of the original color is **71.1257, 60.0262, 102.4452**, and **21.4465, 14.0292, 55.0036** is the 20% darker color. If you saturate the color by 10%, you get **39.0110, 25.4498, 97.4639**, and if you desaturate by 10%, it is **52.8537, 42.6866, 100.0614**.

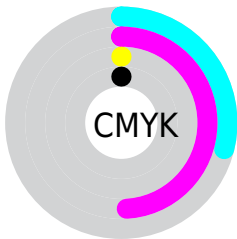
Distribution



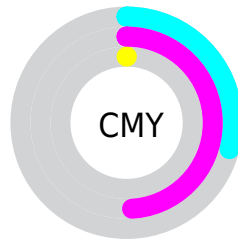
- Red (71%)
- Green (51%)
- Blue (100%)



- Red (71%)
- Yellow (51%)
- Blue (100%)



- Cyan (29%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3240, 33.1303, 98.6137 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 45.3240, 33.1303, 98.6137 by changing the saturation by 10% instead.


 45.3240, 33.1303,
98.6137

 45.3240, 33.1303,
98.6137

358.8458,
316.2365, 576.9475

 31.9151, 22.2263,
74.5329


 82.4405, 64.5789,
161.2860

 21.4519, 14.0233,
54.7309


 106.8787, 85.8923,
200.7146

 13.5690, 8.1368,
38.7891


 135.7241,
111.4442, 246.0961

 7.9012, 4.1826,
26.2892

169.3420,
141.6192, 297.8492

 4.0831, 1.7762,
16.8124

208.0978,
176.8015, 356.3923

 1.7492, 0.4723,
9.9403

252.3568,

 0.4868, 0.0000,

217.3755, 422.1441

5.2543

302.4844,
263.7257, 495.5229

■ 0.0000, 0.0000,
2.3359

■ 0.0000, 0.0000,
0.7512

■ 45.3240, 33.1303,
98.6137

■ 45.3240, 33.1303,
98.6137

■ 39.0110, 25.4498,
97.4639

■ 52.8537, 42.6866,
100.0614

■ 33.8363, 19.5090,
96.5900

■ 61.6644, 54.2343,
101.8259

■ 29.7166, 15.1584,
95.9674

■ 71.8197, 67.8838,
103.9253

■ 26.5533, 12.2202,
95.5670

■ 83.3779, 83.7361,
106.3759

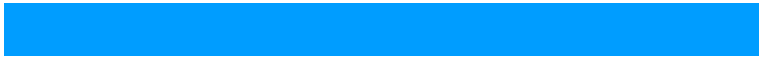
■ 24.2063, 10.4340, 95.0500, 100.0000,
95.3459 108.9000

■ 24.0038, 10.2893,
95.3286

Harmonies

Analogous

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



34.6232, 33.1303, 123.2709



45.3240, 33.1303, 98.6137



53.2559, 33.1303, 59.8065

Triad

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



45.3240, 33.1303, 98.6137



38.9470, 33.1303, 5.1141



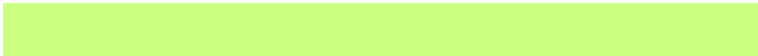
15.9723, 33.1303, 45.4829

Complementary

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



45.3240, 33.1303, 98.6137



64.4179, 85.8282, 34.2914

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.



16.6463, 33.1303, 19.6322



45.3240, 33.1303, 98.6137



28.5506, 33.1303, 4.3427

Square

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



45.3240, 33.1303, 98.6137



49.0625, 33.1303, 11.2091



20.8023, 33.1303, 7.8603



18.7106, 33.1303, 83.4735

Rectangle

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



45.3240, 33.1303, 98.6137



55.0960, 33.1303, 37.0342



20.8023, 33.1303, 7.8603



15.8224, 33.1303, 35.1291

Sweetspot

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



45.3252, 33.1315, 98.6139



76.2926, 73.9838, 104.8670



49.0880, 55.6292, 102.7580



15.8214, 15.1410, 22.3386



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.



45.3252, 33.1315, 98.6139



39.0216, 25.4624, 97.4658



62.8229, 42.1519, 99.4327



17.7189, 17.7468, 22.7415



12.7030, 5.4591, 49.8188



1.3577, 0.5939, 4.8563

Inverse Universe

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



60.0025, 41.5378, 61.3548



55.8059, 35.0957, 53.9410



51.0312, 78.9271, 33.6649



18.4543, 18.1650, 21.0096



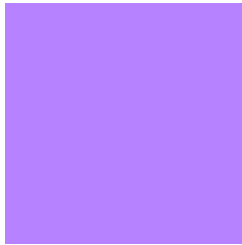
24.4560, 12.2717, 16.3179



2.4357, 1.2166, 1.8757

Previews

White Background



This preview shows how the XYZ color 45.3240, 33.1303, 98.6137 looks on a white background.

Color Contrast Check

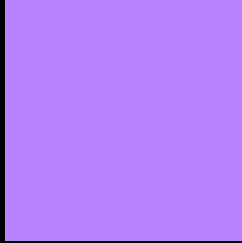
Large Text (above 18pt) WCAG AA × Fail

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 45.3240, 33.1303, 98.6137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

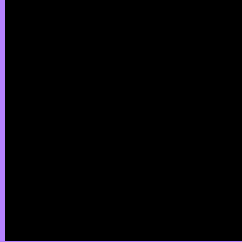
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3240, 33.1303, 98.6137

Background



This preview shows how black text looks on a background with the XYZ color 45.3240, 33.1303, 98.6137.

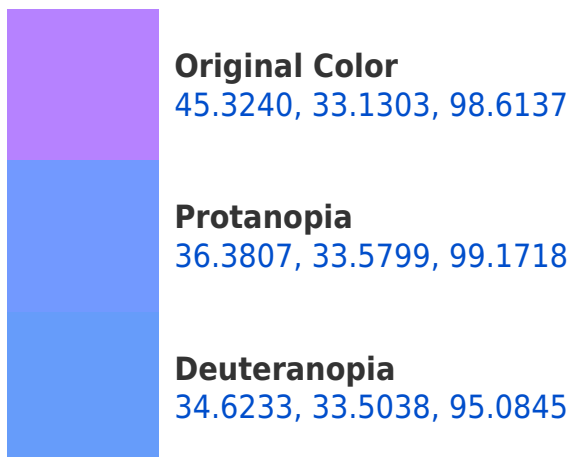


This preview shows how white text looks on a background with the XYZ color 45.3240, 33.1303,

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





Tritanopia

33.4461, 33.1361, 39.7551

Trichromacy



Original Color

45.3240, 33.1303, 98.6137

Protanomaly

38.8229, 32.9598, 98.9234

Deuteranomaly

37.3645, 32.7210, 96.4419

Tritanomaly

36.8459, 32.6357, 57.1806

Monochromacy



Original Color

45.3240, 33.1303, 98.6137

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.7462, 33.7599, 56.2093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3240, 33.1303, 98.6137 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(182, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 130, 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(182, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.3240, 33.1303, 98.6137 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(182, 130, 255) }
```


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

```
.border{ border-color:rgb(182, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3240, 33.1303, 98.6137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 130, 255) }
```

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

```
.background{ background-color: rgb(182,  
130, 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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