

Converting Colors

XYZ(33.0276, 25.4055, 63.8258)

Have a look what the booklet for
XYZ(33.0276, 25.4055, 63.8258)
contains.

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Color

**XYZ(33.1300, 25.5282,
64.1541)**

Conversions

Conversions Part 1

Format	Color
Hex	A277D2
RGB	162, 119, 210
RGB Percent	64%, 47%, 82%
CMY	0.3647, 0.5333, 0.1765
CMYK	0.23, 0.43, 0.00, 0.18
HSL	268°, 50%, 65%
HSV	268°, 43%, 82%
XYZ	33.1300, 25.5282, 64.1541
YIQ	142.2310, -3.5830, 37.4170

Conversions

Conversions Part 2

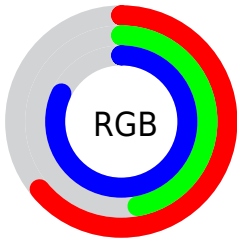
Format	Color
R _{YB}	162, 119, 210
Decimal	10647506
CIE Lab	57.59, 34.70, -40.80
CIE LCh	58, 53.557, 310.384
Yxy	25.5282, 0.2698, 0.2079
Android (android.graphics.Color)	4288837586 (0xFFA277D2)
YUV	142.2310, 33.4101, 17.3374
Hunter-Lab	50.5254, 28.6246, -39.9150

Details

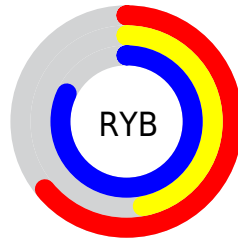
The XYZ color **33.1300, 25.5282, 64.1541** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.3134, 55.6412, 25.9634**, and the grayscale version is **25.6763, 27.0135, 29.4176**.

A 20% lighter version of the original color is **61.7160, 51.6305, 101.3206**, and **14.2289, 9.8109, 32.1541** is the 20% darker color. If you saturate the color by 10%, you get **28.7496, 19.9613, 63.3109**, and if you desaturate by 10%, it is **38.2626, 32.3036, 65.1918**.

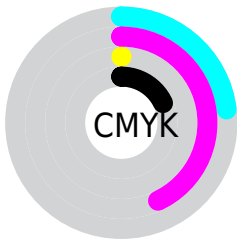
Distribution



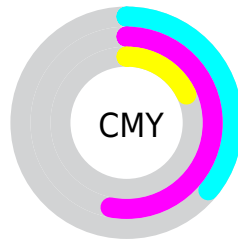
- Red (64%)
- Green (47%)
- Blue (82%)



- Red (64%)
- Yellow (47%)
- Blue (82%)



- Cyan (23%)
- Magenta (43%)
- Yellow (0%)
- Black (18%)



- Cyan (36%)
- Magenta (53%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1300, 25.5282, 64.1541 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 33.1300, 25.5282, 64.1541 by changing the saturation by 10% instead.

■ 33.1300, 25.5282,
64.1541

■ 33.1300, 25.5282,
64.1541

307.8898,
280.4583, 457.9686

■ 22.3858, 16.4710,
46.3285

■ 63.9318, 52.5128,
112.4344

■ 14.2588, 9.8581,
32.1546

■ 84.7200, 71.2091,
143.7263

■ 8.3838, 5.3050,
21.2138

■ 109.5869, 93.8871,
180.3439

■ 4.3954, 2.4273,
13.0876

138.8979,
120.9314, 222.7060

■ 1.9281, 0.8399,
7.3575

173.0184,
152.7262, 271.2309

■ 0.5931, 0.0000,
3.6048

212.3136,

■ 0.0000, 0.0000,

189.6561, 326.3373

1.4112

257.1489,
232.1053, 388.4437

■ 0.0000, 0.0000,
0.1504

■ 0.0000, 0.0000,
0.0000

■ 33.1300, 25.5282,
64.1541

■ 33.1300, 25.5282,
64.1541

■ 28.7496, 19.9613,
63.3109

■ 38.2626, 32.3036,
65.1918

■ 25.0768, 15.5237,
62.6479

■ 44.1830, 40.3537,
66.4336

■ 22.0659, 12.1311,
62.1518

■ 50.9275, 49.7436,
67.8906

■ 19.6639, 9.6856,
61.8064

■ 58.5294, 60.5329,
69.5724

17.8076, 8.0695,
61.5922

67.0199, 72.7774,
71.4884

16.8039, 7.3189,
61.5003

76.4286, 86.5300,
73.6470

83.1723, 94.6181,
74.8527

87.0389, 96.6114,
75.0337

88.6329, 97.4332,
75.1083

Harmonies

Analogous

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



26.5472, 25.5282, 78.7854



33.1300, 25.5282, 64.1541



37.7803, 25.5282, 41.3671

Triad

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



33.1300, 25.5282, 64.1541



28.6284, 25.5282, 6.0754



14.0710, 25.5282, 34.6352

Complementary

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



33.1300, 25.5282, 64.1541



42.3134, 55.6412, 25.9634

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.



14.4301, 25.5282, 17.5741



33.1300, 25.5282, 64.1541



22.1152, 25.5282, 5.5587

Square

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



33.1300, 25.5282, 64.1541



34.8818, 25.5282, 10.6584



17.1399, 25.5282, 8.6805



16.0541, 25.5282, 57.4081

Rectangle

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



33.1300, 25.5282, 64.1541



38.7464, 25.5282, 27.5608



17.1399, 25.5282, 8.6805



13.9316, 25.5282, 28.0322

Sweetspot

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



33.1309, 25.5292, 64.1547



79.2285, 77.4761, 105.3863



33.1581, 36.4093, 66.2533



16.4328, 15.8455, 22.4423



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.



33.1309, 25.5292, 64.1547



45.0803, 31.5590, 98.3232



43.9532, 31.1083, 64.6612



11.6873, 11.6876, 14.8836



10.3644, 4.5233, 37.5193



0.6708, 0.3000, 2.1021

Inverse Universe

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



40.1509, 29.6862, 40.1737



57.8011, 39.0985, 54.5685



34.4079, 51.5658, 25.5934



12.0655, 11.9110, 13.6209



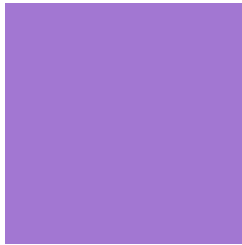
18.0060, 9.0753, 10.2039



1.0467, 0.5234, 0.7809

Previews

White Background



This preview shows how the XYZ color 33.1300, 25.5282, 64.1541 looks on a white background.

Color Contrast Check

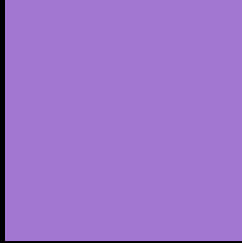
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1300, 25.5282, 64.1541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

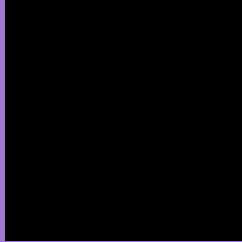
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1300, 25.5282, 64.1541

Background



This preview shows how black text looks on a background with the XYZ color 33.1300, 25.5282, 64.1541.



This preview shows how white text looks on a background with the XYZ color 33.1300, 25.5282,

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

33.1300, 25.5282, 64.1541

Protanopia

28.1037, 25.9876, 74.7691

Deuteranopia

26.4134, 25.8213, 61.9844



Tritanopia

26.3216, 25.6431, 29.9479

Trichromacy



Original Color

33.1300, 25.5282, 64.1541

Protanomaly

29.3583, 25.4925, 71.0833

Deuteranomaly

28.2809, 25.3268, 62.4295

Tritanomaly

28.4357, 25.4962, 40.4683

Monochromacy



Original Color

33.1300, 25.5282, 64.1541

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.8946, 26.2298, 40.1519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1300, 25.5282, 64.1541 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(162, 119, 210)` looks like.

```
.text, #text, p{  
    color:rgb(162, 119, 210)  
}
```

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(162, 119, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 119, 210) }
```

Border

The CSS property to change the border of an element to XYZ 33.1300, 25.5282, 64.1541 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(162, 119, 210) }
```


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

```
.border{ border-color:rgb(162, 119, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 119, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 119, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 119, 210);  
box-shadow:4px 4px 4px 4px rgb(162, 119,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1300, 25.5282, 64.1541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 119, 210) }
```

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

```
.background{ background-color: rgb(162,  
119, 210) }
```

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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