

Converting Colors

XYZ(33.1693, 25.7633, 57.1970)

Have a look what the booklet for
XYZ(33.1693, 25.7633, 57.1970)
contains.

XYZ(33.0541, 25.6420, 57.2401)	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(33.0541, 25.6420,
57.2401)**

Conversions

Conversions Part 1

Format	Color
Hex	A877C7
RGB	168, 119, 199
RGB Percent	66%, 47%, 78%
CMY	0.3412, 0.5333, 0.2196
CMYK	0.16, 0.40, 0.00, 0.22
HSL	277°, 42%, 62%
HSV	277°, 40%, 78%
XYZ	33.0541, 25.6420, 57.2401
YIQ	142.7710, 3.5240, 35.2680

Conversions

Conversions Part 2

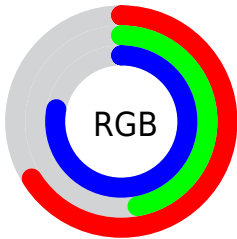
Format	Color
R_{YB}	168, 119, 199
Decimal	11040711
CIE _{Lab}	57.70, 33.96, -34.35
CIE _{LCh}	58, 48.306, 314.670
Yxy	25.6420, 0.2851, 0.2212
Android (android.graphics.Color)	4289230791 (0xFFA877C7)
YUV	142.7710, 27.7209, 22.1258
Hunter-Lab	50.6379, 27.9002, -31.5737

Details

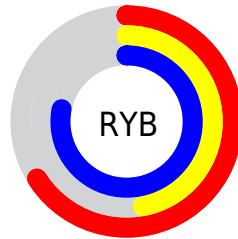
The XYZ color **33.0541, 25.6420, 57.2401** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **36.3316, 48.6634, 24.9319**, and the grayscale version is **25.9101, 27.2594, 29.6855**.

A 20% lighter version of the original color is **63.5430, 52.5723, 101.4061**, and **14.1784, 9.8780, 27.9474** is the 20% darker color. If you saturate the color by 10%, you get **29.3359, 20.5704, 56.4576**, and if you desaturate by 10%, it is **37.3672, 31.7575, 58.1936**.

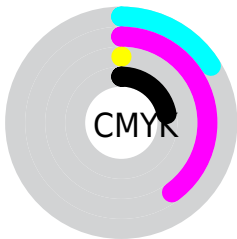
Distribution



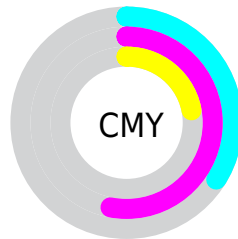
- Red (66%)
- Green (47%)
- Blue (78%)



- Red (66%)
- Yellow (47%)
- Blue (78%)



- Cyan (16%)
- Magenta (40%)
- Yellow (0%)
- Black (22%)



- Cyan (34%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0541, 25.6420, 57.2401 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 33.0541, 25.6420, 57.2401 by changing the saturation by 10% instead.

■ 33.0541, 25.6420,
57.2401

■ 33.0541, 25.6420,
57.2401

307.5541,
281.0202, 431.8673

■ 22.3273, 16.5560,
40.7874

■ 63.8141, 52.6968,
102.3193

■ 14.2156, 9.9184,
27.8345

■ 84.5780, 71.4345,
131.7828

■ 8.3534, 5.3449,
17.9630

■ 109.4184, 94.1581,
166.4203

■ 4.3756, 2.4510,
10.7543

138.7005,
121.2522, 206.6504

■ 1.9168, 0.8520,
5.7898

172.7898,
153.1010, 252.8916

■ 0.5865, 0.0000,
2.6510

212.0516,

■ 0.0000, 0.0000,

190.0890, 305.5625

0.9186

256.8513,
232.6006, 365.0815

■ 0.0000, 0.0000,
0.0000

■ 33.0541, 25.6420,
57.2401

■ 33.0541, 25.6420,
57.2401

■ 29.3359, 20.5704,
56.4576

■ 37.3672, 31.7575,
58.1936

■ 26.1772, 16.4764,
55.8338

■ 42.3028, 38.9717,
59.3259

■ 23.5424, 13.2905,
55.3578

■ 47.8896, 47.3390,
60.6465

■ 21.3900, 10.9329,
55.0161

■ 54.1538, 56.9094,
62.1637

■ 19.6715, 9.3086,
54.7932

■ 61.1199, 67.7298,
63.8851

■ 18.3192, 8.2530,
54.6607

■ 68.8113, 79.8447,
65.8181

■ 76.1871, 91.1701,
67.6153

■ 78.6031, 92.4156,
67.7284

■ 81.1286, 93.7175,
67.8466

Harmonies

Analogous

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



27.2976, 25.6420, 71.4433



33.0541, 25.6420, 57.2401



36.7446, 25.6420, 37.2129

Triad

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



33.0541, 25.6420, 57.2401



27.4313, 25.6420, 7.0933



15.1205, 25.6420, 36.7854

Complementary

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



33.0541, 25.6420, 57.2401



36.3316, 48.6634, 24.9319

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.



15.1446, 25.6420, 20.3189



33.0541, 25.6420, 57.2401



21.6632, 25.6420, 7.0553

Square

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



33.0541, 25.6420, 57.2401



33.1652, 25.6420, 10.9835



17.3611, 25.6420, 10.8449



17.2890, 25.6420, 56.8225

Rectangle

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



33.0541, 25.6420, 57.2401



37.2182, 25.6420, 25.4066



17.3611, 25.6420, 10.8449



14.8849, 25.6420, 30.5934

Sweetspot

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



33.0550, 25.6431, 57.2407



81.8247, 79.8267, 105.7032



28.9841, 30.1797, 58.3309



17.2286, 16.6568, 22.5570



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.



33.0550, 25.6431, 57.2407



52.2747, 37.2335, 99.0393



39.5547, 29.0983, 52.8225



10.6698, 10.6035, 13.4018



11.8800, 5.3586, 35.1525



0.6418, 0.2946, 1.6682

Inverse Universe

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



35.6558, 27.5387, 32.2912



57.8141, 41.2222, 48.1053



31.8628, 46.3017, 27.3375



10.8012, 10.7038, 11.9362



16.0492, 8.1692, 5.4687



0.7953, 0.4009, 0.4450

Previews

White Background



This preview shows how the XYZ color 33.0541, 25.6420, 57.2401 looks on a white background.

Color Contrast Check

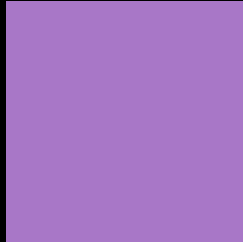
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0541, 25.6420, 57.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

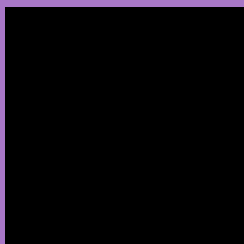
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0541, 25.6420, 57.2401

Background



This preview shows how black text looks on a background with the XYZ color 33.0541, 25.6420, 57.2401.



This preview shows how white text looks on a background with the XYZ color 33.0541, 25.6420,

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

33.0541, 25.6420, 57.2401

Protanopia

27.3699, 25.7919, 66.4866

Deuteranopia

26.4037, 25.7534, 55.2090



Tritanopia

27.2969, 25.5565, 29.0854

Trichromacy



Original Color

33.0541, 25.6420, 57.2401

Protanomaly

28.8835, 25.4249, 63.0597

Deuteranomaly

28.2630, 25.2692, 55.6124

Tritanomaly

29.1005, 25.5045, 38.0394

Monochromacy



Original Color

33.0541, 25.6420, 57.2401

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.0849, 26.3699, 38.2600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0541, 25.6420, 57.2401 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(168, 119, 199)` looks like.

```
.text, #text, p{  
    color:rgb(168, 119, 199)  
}
```

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(168, 119, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 119, 199) }
```

Border

The CSS property to change the border of an element to XYZ 33.0541, 25.6420, 57.2401 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(168, 119, 199) }
```


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

```
.border{ border-color:rgb(168, 119, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 119, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 119, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 119, 199);  
box-shadow:4px 4px 4px 4px rgb(168, 119,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0541, 25.6420, 57.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 119, 199) }
```

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

```
.background{ background-color: rgb(168,  
119, 199) }
```

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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