

Converting Colors

XYZ(33.1205, 24.7999, 53.2597)

Have a look what the booklet for
XYZ(33.1205, 24.7999, 53.2597)
contains.

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Color

**XYZ(33.2100, 24.7745,
53.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	AF71C1
RGB	175, 113, 193
RGB Percent	69%, 44%, 76%
CMY	0.3137, 0.5568, 0.2431
CMYK	0.09, 0.41, 0.00, 0.24
HSL	287°, 39%, 60%
HSV	287°, 41%, 76%
XYZ	33.2100, 24.7745, 53.4837
YIQ	140.6580, 11.2720, 38.0240

Conversions

Conversions Part 2

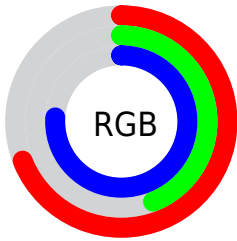
Format	Color
R_{YB}	175, 113, 193
Decimal	11497921
CIE _{Lab}	56.86, 38.14, -32.19
CIE _{LCh}	57, 49.906, 319.831
Yxy	24.7745, 0.2979, 0.2223
Android (android.graphics.Color)	4289688001 (0xFFAF71C1)
YUV	140.6580, 25.8046, 30.1179
Hunter-Lab	49.7740, 31.9936, -28.8672

Details

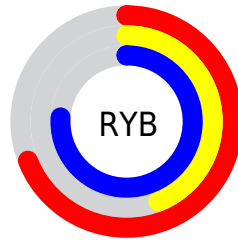
The XYZ color **33.2100, 24.7745, 53.4837** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **31.4115, 44.1581, 22.4917**, and the grayscale version is **25.0837, 26.3900, 28.7387**.

A 20% lighter version of the original color is **64.1702, 51.3304, 96.9681**, and **14.3229, 9.4840, 25.5018** is the 20% darker color. If you saturate the color by 10%, you get **30.3226, 20.4228, 52.7963**, and if you desaturate by 10%, it is **36.5883, 30.0601, 54.3263**.

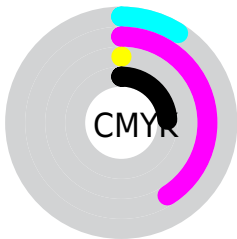
Distribution



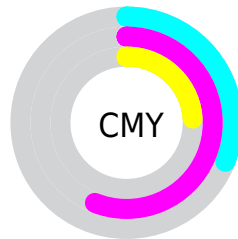
- Red (69%)
- Green (44%)
- Blue (76%)



- Red (69%)
- Yellow (44%)
- Blue (76%)



- Cyan (9%)
- Magenta (41%)
- Yellow (0%)
- Black (24%)



- Cyan (31%)
- Magenta (56%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2100, 24.7745, 53.4837 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 33.2100, 24.7745, 53.4837 by changing the saturation by 10% instead.

33.2100, 24.7745,
53.4837

33.2100, 24.7745,
53.4837

308.2432,
276.7131, 417.2569

22.4474, 15.9091,
37.7987

64.0557, 51.2912,
96.7645

14.3044, 9.4599,
25.5259

84.8696, 69.7112,
125.1974

8.4158, 5.0423,
16.2467

109.7645, 92.0850,
158.7166

4.4162, 2.2721,
9.5426

139.1059,
118.7969, 197.7407

1.9402, 0.7589,
4.9952

173.2591,
150.2312, 242.6882

0.6000, 0.0000,
2.1857

212.5895,

0.0000, 0.0000,

186.7724, 293.9778

0.6661

257.4624,
228.8049, 352.0278

■ 0.0000, 0.0000,
0.0000

■ 33.2100, 24.7745,
53.4837

■ 33.2100, 24.7745,
53.4837

■ 30.3226, 20.4228,
52.7963

■ 36.5883, 30.0601,
54.3263

■ 27.8939, 16.9432,
52.2527

■ 40.4819, 36.3301,
55.3313

■ 25.8919, 14.2712,
51.8424


■ 44.9167, 43.6349,
56.5075


■ 24.2789, 12.3320,
51.5532

■ 49.9158, 52.0207,
57.8626


■ 23.0101, 11.0365,
51.3700

■ 55.5012, 61.5307,
59.4039

 22.1256, 10.2942,
51.2733

 61.6934, 72.2060,
61.1380

 68.5122, 84.0852,
63.0716

 71.8904, 89.0340,
63.8487

 73.1417, 89.6790,
63.9073

Harmonies

Analogous

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



27.5650, 24.7745, 69.9324



33.2100, 24.7745, 53.4837



36.4162, 24.7745, 33.0593

Triad

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



33.2100, 24.7745, 53.4837



25.5856, 24.7745, 6.0910



14.4868, 24.7745, 39.4187

Complementary

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



33.2100, 24.7745, 53.4837



31.4115, 44.1581, 22.4917

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.



14.1357, 24.7745, 21.6875



33.2100, 24.7745, 53.4837



19.9405, 24.7745, 6.6257

Square

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



33.2100, 24.7745, 53.4837



31.5567, 24.7745, 9.1107



15.9684, 24.7745, 11.0968



17.0228, 24.7745, 59.7575

Rectangle

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



33.2100, 24.7745, 53.4837



36.4316, 24.7745, 21.8496



15.9684, 24.7745, 11.0968



14.1275, 24.7745, 32.8456

Sweetspot

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



33.2109, 24.7756, 53.4842



79.8247, 77.1180, 101.0383



24.6428, 23.7743, 53.7426



16.8911, 16.1563, 21.6135



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2109, 24.7756, 53.4842



54.6259, 37.0464, 94.6319



35.3126, 26.1145, 42.0423



10.2685, 10.1296, 12.6988



14.7875, 6.8836, 34.1059



0.6948, 0.3262, 1.4762

Inverse Universe

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



31.9950, 24.7874, 24.5719



52.4708, 37.2621, 34.5912



30.2072, 43.3818, 29.4589



10.1639, 10.1142, 10.9539



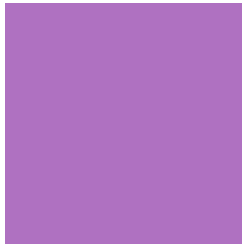
14.9482, 7.6690, 2.3732



0.6729, 0.3422, 0.2448

Previews

White Background



This preview shows how the XYZ color 33.2100, 24.7745, 53.4837 looks on a white background.

Color Contrast Check

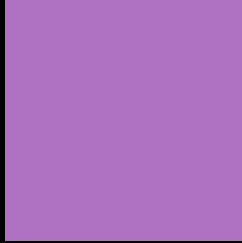
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2100, 24.7745, 53.4837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

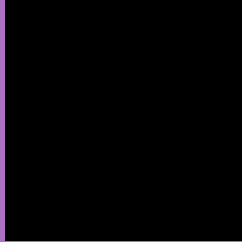
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2100, 24.7745, 53.4837

Background



This preview shows how black text looks on a background with the XYZ color 33.2100, 24.7745, 53.4837.



This preview shows how white text looks on a background with the XYZ color 33.2100, 24.7745,

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

33.2100, 24.7745, 53.4837

Protanopia

26.4646, 24.9545, 64.3946

Deuteranopia

25.5950, 24.9951, 51.6197



Tritanopia

27.7704, 24.8865, 26.2616

Trichromacy



Original Color

33.2100, 24.7745, 53.4837

Protanomaly

28.0328, 24.2679, 60.3334

Deuteranomaly

27.6989, 24.4719, 51.9789

Tritanomaly

29.4157, 24.6211, 34.6545

Monochromacy



Original Color

33.2100, 24.7745, 53.4837

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.5983, 25.5430, 36.7334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2100, 24.7745, 53.4837 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(175, 113, 193)` looks like.

```
.text, #text, p{  
    color:rgb(175, 113, 193)  
}
```

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(175, 113, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 113, 193) }
```

Border

The CSS property to change the border of an element to XYZ 33.2100, 24.7745, 53.4837 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(175, 113, 193) }
```


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

```
.border{ border-color:rgb(175, 113, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 113, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 113, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 113, 193);  
box-shadow:4px 4px 4px 4px rgb(175, 113,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2100, 24.7745, 53.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 113, 193) }
```

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

```
.background{ background-color: rgb(175,  
113, 193) }
```

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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