

Converting Colors

XYZ(33.3202, 24.9595, 53.7892)

Have a look what the booklet for
XYZ(33.3202, 24.9595, 53.7892)
contains.

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Color

**XYZ(33.3221, 24.9988,
53.5211)**

Conversions

Conversions Part 1

Format	Color
Hex	AF72C1
RGB	175, 114, 193
RGB Percent	69%, 45%, 76%
CMY	0.3137, 0.5529, 0.2431
CMYK	0.09, 0.41, 0.00, 0.24
HSL	286°, 39%, 60%
HSV	286°, 41%, 76%
XYZ	33.3221, 24.9988, 53.5211
YIQ	141.2450, 10.9970, 37.5010

Conversions

Conversions Part 2

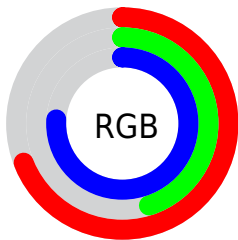
Format	Color
RYB	175, 114, 193
Decimal	11498177
CIELab	57.07, 37.59, -31.85
CIELCh	57, 49.266, 319.722
Yxy	24.9988, 0.2979, 0.2235
Android (android.graphics.Color)	4289688257 (0xFFAF72C1)
YUV	141.2450, 25.5152, 29.6031
Hunter-Lab	49.9988, 31.4649, -28.4677

Details

The XYZ color **33.3221, 24.9988, 53.5211** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **31.6238, 44.2610, 22.7972**, and the grayscale version is **25.3142, 26.6325, 29.0028**.

A 20% lighter version of the original color is **64.3527, 51.6954, 97.0289**, and **14.3788, 9.5958, 25.5204** is the 20% darker color. If you saturate the color by 10%, you get **30.3997, 20.5949, 52.8255**, and if you desaturate by 10%, it is **36.7376, 30.3399, 54.3724**.

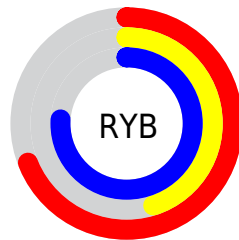
Distribution



Red (69%)

Green (45%)

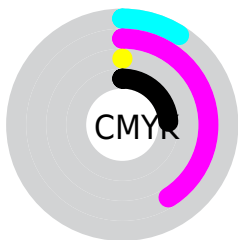
Blue (76%)



Red (69%)

Yellow (45%)

Blue (76%)

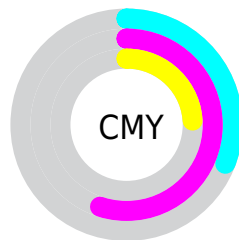


Cyan (9%)

Magenta (41%)

Yellow (0%)

Black (24%)



Cyan (31%)


Magenta (55%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3221, 24.9988, 53.5211 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 33.3221, 24.9988, 53.5211 by changing the saturation by 10% instead.

 33.3221, 24.9988,
53.5211


 33.3221, 24.9988,
53.5211

308.7380,
277.8320, 417.4040


 22.5337, 16.0762,
37.8284


 64.2294, 51.6553,
96.8200


 14.3684, 9.5781,
25.5487


 85.0790, 70.1579,
125.2633

 8.4607, 5.1201,
16.2636


 110.0131, 92.6226,
158.7938

 4.4454, 2.3179,
9.5545

 139.3970,
119.4339, 197.8301

 1.9571, 0.7832,
5.0029

173.5961,
150.9761, 242.7907

 0.6097, 0.0000,
2.1902

212.9758,

 0.0000, 0.0000,

187.6335, 294.0942

0.6687

257.9013,
229.7907, 352.1592

■ 0.0000, 0.0000,
0.0000

■ 33.3221, 24.9988,
53.5211

■ 33.3221, 24.9988,
53.5211

■ 30.3997, 20.5949,
52.8255

■ 36.7376, 30.3399,
54.3724

■ 27.9385, 17.0667,
52.2742

■ 40.6706, 36.6685,
55.3867

■ 25.9064, 14.3501,
51.8569

■ 45.1468, 44.0348,
56.5726

■ 24.2662, 12.3708,
51.5613

■ 50.1893, 52.4847,
57.9378

■ 22.9736, 11.0406,
51.3727

■ 55.8200, 62.0616,
59.4896

■ 22.0249, 10.2423,
51.2686

■ 62.0594, 72.8060,
61.2346

■ 68.9272, 84.7569,
63.1794

■ 72.0157, 89.0985,
63.8546

■ 73.2865, 89.7537,
63.9141

Harmonies

Analogous

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



27.7252, 24.9988, 69.6992



33.3221, 24.9988, 53.5211



36.5061, 24.9988, 33.3234

Triad

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



33.3221, 24.9988, 53.5211



25.8059, 24.9988, 6.3389



14.7347, 24.9988, 39.4793

Complementary

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



33.3221, 24.9988, 53.5211



31.6238, 44.2610, 22.7972

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.



14.3919, 24.9988, 21.9105



33.3221, 24.9988, 53.5211



20.1932, 24.9988, 6.8681

Square

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



33.3221, 24.9988, 53.5211



31.7221, 24.9988, 9.4034



16.2292, 24.9988, 11.3550



17.2569, 24.9988, 59.5704

Rectangle

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



33.3221, 24.9988, 53.5211



36.5311, 24.9988, 22.1755



16.2292, 24.9988, 11.3550



14.3784, 24.9988, 32.9756

Sweetspot

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



33.3230, 24.9999, 53.5216



79.7951, 77.1027, 101.0369



24.8762, 24.0491, 53.7833



16.8841, 16.1527, 21.6132



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.



33.3230, 24.9999, 53.5216



55.0113, 37.7204, 94.7416



35.4504, 26.3491, 42.2144



10.2656, 10.1281, 12.6987



14.7211, 6.8494, 34.1028



0.6924, 0.3250, 1.4761

Inverse Universe

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



32.1753, 25.0390, 24.9680



52.9818, 37.9788, 35.7025



30.3881, 43.4691, 29.7361



10.1651, 10.1147, 10.9600



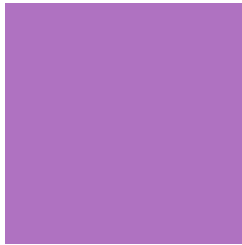
14.9552, 7.6718, 2.4104



0.6734, 0.3424, 0.2475

Previews

White Background



This preview shows how the XYZ color 33.3221, 24.9988, 53.5211 looks on a white background.

Color Contrast Check

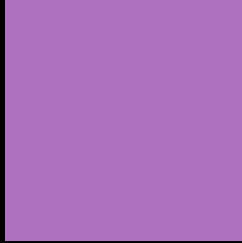
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3221, 24.9988, 53.5211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

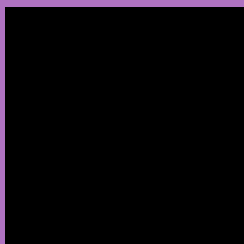
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.3221, 24.9988, 53.5211

Background



This preview shows how black text looks on a background with the XYZ color 33.3221, 24.9988, 53.5211.



This preview shows how white text looks on a background with the XYZ color 33.3221, 24.9988,

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

33.3221, 24.9988, 53.5211

Protanopia

26.8524, 25.3606, 64.4526

Deuteranopia

25.8746, 25.3474, 51.6729



Tritanopia

27.8411, 24.9148, 26.6342

Trichromacy



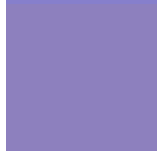
Original Color

33.3221, 24.9988, 53.5211



Protanomaly

28.3200, 24.6067, 60.3837



Deuteranomaly

27.9979, 24.8188, 52.0300



Tritanomaly

29.6229, 24.8994, 35.1431

Monochromacy



Original Color

33.3221, 24.9988, 53.5211



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 33.3221, 24.9988, 53.5211 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, 114, 193)` looks like.

```
.text, #text, p{  
    color:rgb(175, 114, 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, 114, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 114, 193) }
```

Border

The CSS property to change the border of an element to XYZ 33.3221, 24.9988, 53.5211 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, 114, 193) }
```


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

```
.border{ border-color:rgb(175, 114, 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, 114, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 114, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 114, 193);  
box-shadow:4px 4px 4px 4px rgb(175, 114,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3221, 24.9988, 53.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 114, 193) }
```

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

```
.background{ background-color: rgb(175,  
114, 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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