

Converting Colors

XYZ(33.4469, 21.0706, 52.7563)

Have a look what the booklet for
XYZ(33.4469, 21.0706, 52.7563)
contains.

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Color

**XYZ(33.4469, 21.0706,
52.7563)**

Conversions

Conversions Part 1

Format	Color
Hex	BB56C1
RGB	187, 86, 193
RGB Percent	73%, 34%, 76%
CMY	0.2667, 0.6627, 0.2431
CMYK	0.03, 0.55, 0.00, 0.24
HSL	297°, 46%, 55%
HSV	297°, 55%, 76%
XYZ	33.4469, 21.0706, 52.7563
YIQ	128.3970, 25.8490, 54.6890

Conversions

Conversions Part 2

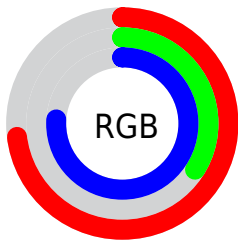
Format	Color
R_{YB}	187, 86, 193
Decimal	12277441
CIE _{Lab}	53.03, 55.47, -38.07
CIE _{LCh}	53, 67.281, 325.536
Yxy	21.0706, 0.3118, 0.1964
Android (android.graphics.Color)	4290467521 (0xFFBB56C1)
YUV	128.3970, 31.8493, 51.3948
Hunter-Lab	45.9027, 49.7338, -36.0105

Details

The XYZ color **33.4469, 21.0706, 52.7563** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **25.1640, 41.0877, 15.4095**, and the grayscale version is **20.5429, 21.6127, 23.5363**.

A 20% lighter version of the original color is **64.2896, 45.0708, 95.7536**, and **14.4596, 7.5681, 25.1248** is the 20% darker color. If you saturate the color by 10%, you get **31.8454, 18.2585, 52.2982**, and if you desaturate by 10%, it is **35.4679, 24.7176, 53.3540**.

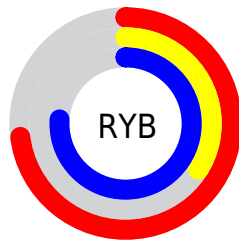
Distribution



Red (73%)

Green (34%)

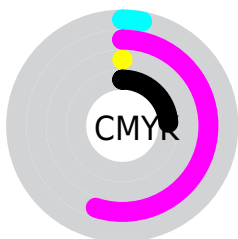
Blue (76%)



Red (73%)

Yellow (34%)

Blue (76%)

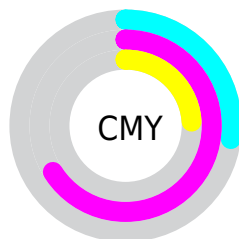


Cyan (3%)

Magenta (55%)

Yellow (0%)

Black (24%)



Cyan (27%)


Magenta (66%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4469, 21.0706, 52.7563 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 33.4469, 21.0706, 52.7563 by changing the saturation by 10% instead.

 33.4469, 21.0706,
52.7563


 33.4469, 21.0706,
52.7563


309.2882,
257.6535, 414.3892

 22.6299, 13.1756,
37.2219


 64.4226, 45.2050,
95.6836


 14.4396, 7.5496,
25.0822


 85.3121, 62.2132,
123.9135

 8.5108, 3.8081,
15.9187


 110.2897, 83.0280,
157.2124

 4.4780, 1.5668,
9.3129

 139.7209,
108.0336, 195.9987

 1.9760, 0.3351,
4.8463

173.9710,
137.6146, 240.6909

 0.6204, 0.0000,
2.1002

213.4053,

 0.0000, 0.0000,

172.1553, 291.7078

0.6159

258.3893,
212.0401, 349.4677

■ 0.0000, 0.0000,
0.0000

■ 33.4469, 21.0706,
52.7563

■ 33.4469, 21.0706,
52.7563

■ 31.8454, 18.2585,
52.2982

■ 35.4679, 24.7176,
53.3540

■ 30.6267, 16.2098,
51.9670

■ 37.9367, 29.2576,
54.1002

■ 29.7519, 14.8458,
51.7498

■ 40.8817, 34.7470,
55.0046

■ 29.1719, 14.0686,
51.6304

■ 44.3282, 41.2366,
56.0755

■ 28.9594, 13.8172,
51.5931

■ 48.3000, 48.7737,
57.3210

■ 52.8190, 57.4024,
58.7483

■ 57.9063, 67.1644,
60.3645

■ 63.5814, 78.0992,
62.1760

■ 68.3438, 87.2056,
63.6827

Harmonies

Analogous

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



26.4732, 21.0706, 79.0061



33.4469, 21.0706, 52.7563



36.8552, 21.0706, 26.1059

Triad

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



33.4469, 21.0706, 52.7563



21.1031, 21.0706, 1.9065



10.0991, 21.0706, 44.1355

Complementary

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



33.4469, 21.0706, 52.7563



25.1640, 41.0877, 15.4095

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.



9.3061, 21.0706, 20.0452



33.4469, 21.0706, 52.7563



14.7226, 21.0706, 2.6974

Square

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



33.4469, 21.0706, 52.7563



28.7411, 21.0706, 3.4914



10.7840, 21.0706, 7.2165



13.2805, 21.0706, 72.2993

Rectangle

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



33.4469, 21.0706, 52.7563



36.1759, 21.0706, 14.0189



10.7840, 21.0706, 7.2165



9.5819, 21.0706, 35.0220

Sweetspot

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



33.4477, 21.0715, 52.7567



78.1943, 71.5923, 100.0577



17.3903, 13.6818, 52.1767



16.4989, 14.8376, 21.3796



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.



33.4477, 21.0715, 52.7567



56.4015, 31.6161, 93.4901



30.5585, 20.0890, 29.7210



10.4397, 10.2178, 12.7068



19.2842, 9.2018, 34.3163



0.8505, 0.4065, 1.4835

Inverse Universe

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



27.2526, 18.7666, 12.3121



44.3666, 27.1810, 13.0001



27.0985, 41.7949, 28.6016



10.0956, 10.0868, 10.5939



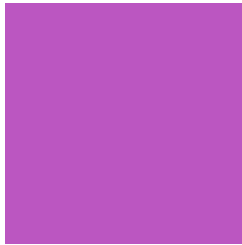
14.6769, 7.5605, 0.9444



0.6422, 0.3299, 0.0832

Previews

White Background



This preview shows how the XYZ color 33.4469, 21.0706, 52.7563 looks on a white background.

Color Contrast Check

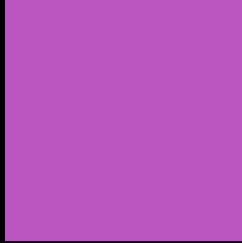
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4469, 21.0706, 52.7563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

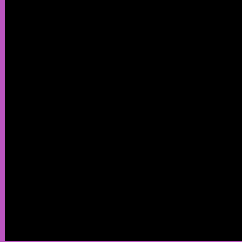
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4469, 21.0706, 52.7563

Background



This preview shows how black text looks on a background with the XYZ color 33.4469, 21.0706, 52.7563.



This preview shows how white text looks on a background with the XYZ color 33.4469, 21.0706,

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

33.4469, 21.0706, 52.7563

Protanopia

24.2147, 21.5811, 75.5624

Deuteranopia

21.8033, 21.2917, 49.4149



Tritanopia

26.4264, 21.0774, 18.5951

Trichromacy



Original Color

33.4469, 21.0706, 52.7563



Protanomaly

25.3129, 19.9097, 66.7988



Deuteranomaly

24.5426, 20.0295, 50.7167



Tritanomaly

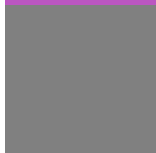
28.4758, 20.7306, 28.4872

Monochromacy



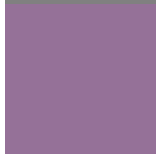
Original Color

33.4469, 21.0706, 52.7563



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

23.9670, 20.4668, 32.3931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4469, 21.0706, 52.7563 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(187, 86, 193)` looks like.

```
.text, #text, p{  
    color:rgb(187, 86, 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(187, 86, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 86, 193) }
```

Border

The CSS property to change the border of an element to XYZ 33.4469, 21.0706, 52.7563 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(187, 86, 193) }
```


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

```
.border{ border-color:rgb(187, 86, 193) }
```

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

Here you see how a box with a 4 pixel rgb(187, 86, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 86, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 86, 193);  
box-shadow:4px 4px 4px 4px rgb(187, 86,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4469, 21.0706, 52.7563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 86, 193) }
```

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

```
.background{ background-color: rgb(187, 86,  
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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