

Converting Colors

XYZ(34.0433, 24.8382, 50.4133)

Have a look what the booklet for
XYZ(34.0433, 24.8382, 50.4133)
contains.

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Color

**XYZ(33.9444, 24.7278,
50.5608)**

Conversions

Conversions Part 1

Format	Color
Hex	B66EBC
RGB	182, 110, 188
RGB Percent	71%, 43%, 74%
CMY	0.2863, 0.5686, 0.2627
CMYK	0.03, 0.41, 0.00, 0.26
HSL	295°, 37%, 58%
HSV	295°, 41%, 74%
XYZ	33.9444, 24.7278, 50.5608
YIQ	140.4200, 17.8740, 39.5220

Conversions

Conversions Part 2

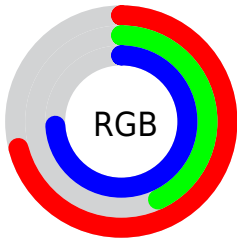
Format	Color
RYB	182, 110, 188
Decimal	11955900
CIELab	56.81, 40.91, -29.34
CIELCh	57, 50.344, 324.351
Yxy	24.7278, 0.3108, 0.2264
Android (android.graphics.Color)	4290145980 (0xFFB66EBC)
YUV	140.4200, 23.4569, 36.4657
Hunter-Lab	49.7271, 34.8243, -25.4751

Details

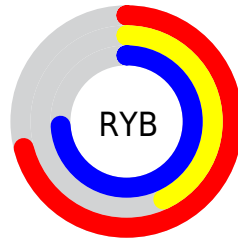
The XYZ color **33.9444, 24.7278, 50.5608** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.0010, 40.8058, 21.1536**, and the grayscale version is **24.9980, 26.2999, 28.6406**.

A 20% lighter version of the original color is **65.0229, 51.0768, 92.0197**, and **14.6194, 9.3612, 23.5906** is the 20% darker color. If you saturate the color by 10%, you get **31.7876, 20.9181, 49.9395**, and if you desaturate by 10%, it is **36.5367, 29.4021, 51.3268**.

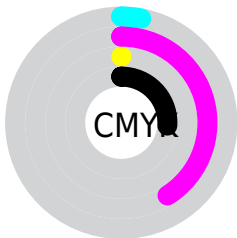
Distribution



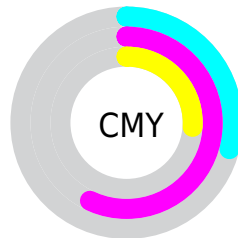
- Red (71%)
- Green (43%)
- Blue (74%)



- Red (71%)
- Yellow (43%)
- Blue (74%)



- Cyan (3%)
- Magenta (41%)
- Yellow (0%)
- Black (26%)



- Cyan (29%)
- Magenta (57%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9444, 24.7278, 50.5608 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 33.9444, 24.7278, 50.5608 by changing the saturation by 10% instead.


 33.9444, 24.7278,
50.5608


 33.9444, 24.7278,
50.5608


311.4743,
276.4796, 405.6527


 23.0136, 15.8744,
35.4849


 65.1921, 51.2153,
92.4101


 14.7243, 9.4353,
23.7501


 86.2396, 69.6181,
120.0205

 8.7112, 5.0262,
14.9379


 111.3901, 91.9729,
152.6462

 4.6089, 2.2626,
8.6297

 141.0089,
118.6640, 190.7058

 2.0520, 0.7538,
4.4069

175.4614,
150.0759, 234.6176

 0.6629, 0.0000,
1.8511

215.1129,

 0.0000, 0.0000,

186.5928, 284.8004

0.4614

260.3287,
228.5993, 341.6726

■ 0.0000, 0.0000,
0.0000

■ 33.9444, 24.7278,
50.5608

■ 33.9444, 24.7278,
50.5608

■ 31.7876, 20.9181,
49.9395

■ 36.5367, 29.4021,
51.3268

■ 30.0363, 17.9147,
49.4521

■ 39.5870, 34.9878,
52.2441

■ 28.6608, 15.6576,
49.0889

■ 43.1193, 41.5323,
53.3212

■ 27.6260, 14.0768,
48.8383

■ 47.1552, 49.0786,
54.5651

■ 26.8903, 13.0890,
48.6864

■ 51.7149, 57.6673,
55.9825

■ 26.4303, 12.5767,
48.6118

■ 56.8176, 67.3365,
57.5799

■ 62.4814, 78.1227,
59.3634

■ 66.9751, 86.5634,
60.7557

■ 67.3470, 86.7551,
60.7731

Harmonies

Analogous

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



28.4820, 24.7278, 68.5319



33.9444, 24.7278, 50.5608



36.6515, 24.7278, 30.2408

Triad

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



33.9444, 24.7278, 50.5608



24.6342, 24.7278, 5.8420



14.6310, 24.7278, 42.6111

Complementary

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



33.9444, 24.7278, 50.5608



28.0010, 40.8058, 21.1536

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.



13.9484, 24.7278, 23.8597



33.9444, 24.7278, 50.5608



19.1410, 24.7278, 6.8820

Square

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



33.9444, 24.7278, 50.5608



30.7308, 24.7278, 8.2479



15.4579, 24.7278, 12.1137



17.5079, 24.7278, 62.7574

Rectangle

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



33.9444, 24.7278, 50.5608



36.2522, 24.7278, 19.6671



15.4579, 24.7278, 12.1137



14.1599, 24.7278, 35.7777

Sweetspot

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



33.9452, 24.7289, 50.5613



77.6632, 74.3705, 96.4879



21.8118, 19.5534, 50.2019



16.5128, 15.6430, 20.6916



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.9452, 24.7289, 50.5613



57.8479, 38.3256, 90.5749



32.2742, 24.2277, 34.2073



9.8556, 9.6579, 12.0169



18.0234, 8.5775, 33.0986



0.7277, 0.3472, 1.2975

Inverse Universe

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



29.4682, 23.1053, 19.4308



48.7474, 35.0549, 25.9605



29.3346, 41.2501, 32.2055



9.5592, 9.5480, 10.0675



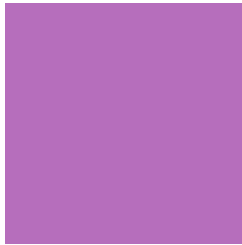
14.1876, 7.3062, 1.0155



0.5660, 0.2903, 0.0938

Previews

White Background



This preview shows how the XYZ color 33.9444, 24.7278, 50.5608 looks on a white background.

Color Contrast Check

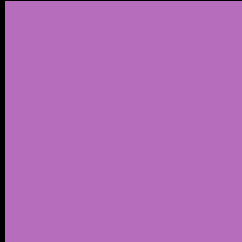
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9444, 24.7278, 50.5608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

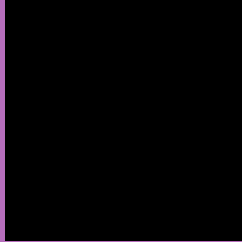
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9444, 24.7278, 50.5608

Background



This preview shows how black text looks on a background with the XYZ color 33.9444, 24.7278, 50.5608.



This preview shows how white text looks on a background with the XYZ color 33.9444, 24.7278,

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

33.9444, 24.7278, 50.5608

Protanopia

26.4658, 24.9838, 63.1020

Deuteranopia

25.5234, 25.0319, 48.2862



Tritanopia

28.5800, 24.5837, 25.0686

Trichromacy



Original Color

33.9444, 24.7278, 50.5608



Protanomaly

28.1928, 24.2026, 58.4440



Deuteranomaly

27.8949, 24.4442, 49.1469



Tritanomaly

30.2774, 24.5710, 32.8526

Monochromacy



Original Color

33.9444, 24.7278, 50.5608



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

27.4536, 25.1034, 35.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9444, 24.7278, 50.5608 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(182, 110, 188)` looks like.

```
.text, #text, p{  
    color:rgb(182, 110, 188)  
}
```

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(182, 110, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 110, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.9444, 24.7278, 50.5608 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(182, 110, 188) }
```


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

```
.border{ border-color:rgb(182, 110, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 110, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 110, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 110, 188);  
box-shadow:4px 4px 4px 4px rgb(182, 110,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9444, 24.7278, 50.5608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 110, 188) }
```

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

```
.background{ background-color: rgb(182,  
110, 188) }
```

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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