

Converting Colors

XYZ(33.5344, 24.9227, 29.8745)

Have a look what the booklet for
XYZ(33.5344, 24.9227, 29.8745)
contains.

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Color

**XYZ(33.4517, 24.9320,
29.8373)**

Conversions

Conversions Part 1

Format	Color
Hex	C46E91
RGB	196, 110, 145
RGB Percent	77%, 43%, 57%
CMY	0.2314, 0.5686, 0.4314
CMYK	0.00, 0.44, 0.26, 0.23
HSL	336°, 42%, 60%
HSV	336°, 44%, 77%
XYZ	33.4517, 24.9320, 29.8373
YIQ	139.7040, 40.0210, 29.1170

Conversions

Conversions Part 2

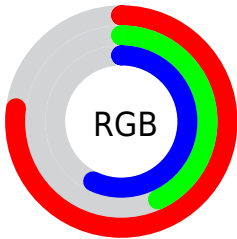
Format	Color
R_{YB}	196, 110, 145
Decimal	12873361
CIE _{Lab}	57.01, 38.32, -4.03
CIE _{LCh}	57, 38.535, 353.999
Yxy	24.9320, 0.3792, 0.2826
Android (android.graphics.Color)	4291063441 (0xFFC46E91)
YUV	139.7040, 2.6109, 49.3716
Hunter-Lab	49.9320, 32.2044, -0.4769

Details

The XYZ color **33.4517, 24.9320, 29.8373** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **32.6045, 45.3687, 40.7592**, and the grayscale version is **24.7925, 26.0837, 28.4051**.

A 20% lighter version of the original color is **64.2790, 51.3887, 60.5640**, and **14.4447, 9.5296, 11.9045** is the 20% darker color. If you saturate the color by 10%, you get **30.7152, 20.8206, 24.7269**, and if you desaturate by 10%, it is **36.7490, 30.0178, 35.5876**.

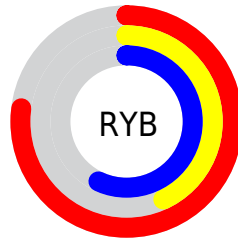
Distribution



Red (77%)

Green (43%)

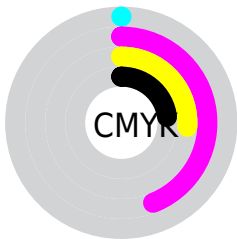
Blue (57%)



Red (77%)

Yellow (43%)

Blue (57%)

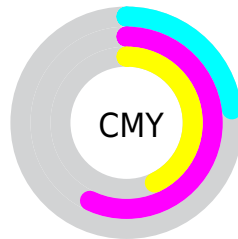


Cyan (0%)

Magenta (44%)

Yellow (26%)

Black (23%)



Cyan (23%)

Magenta (57%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4517, 24.9320, 29.8373 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 33.4517, 24.9320, 29.8373 by changing the saturation by 10% instead.


 33.4517, 24.9320,
29.8373


 33.4517, 24.9320,
29.8373


309.3094,
277.4991, 315.3290

 22.6336, 16.0264,
19.4641


 64.4301, 51.5469,
60.4627

 14.4424, 9.5428,
11.8259


 85.3211, 70.0250,
81.5521

 8.5127, 5.0969,
6.5042


 110.3004, 92.4627,
107.0506

 4.4793, 2.3042,
3.0803

 139.7334,
119.2444, 137.3767

 1.9767, 0.7760,
1.1358

173.9854,
150.7545, 172.9491

 0.6208, 0.0000,
0.0000

213.4218,

 0.0000, 0.0000,

187.3774, 214.1863

0.0000

258.4080,
229.4974, 261.5067

■ 33.4517, 24.9320,
29.8373

■ 33.4517, 24.9320,
29.8373

■ 30.7152, 20.8206,
24.7269

■ 36.7490, 30.0178,
35.5876

■ 28.5034, 17.6166,
20.2302

■ 40.6361, 36.1322,
41.9997

■ 26.7793, 15.2500,
16.3208


■ 45.1420, 43.3295,
49.0960


■ 25.4995, 13.6391,
12.9694


■ 50.2937, 51.6593,
56.8975


■ 24.6120, 12.6850,
10.1427


■ 56.1161, 61.1678,
65.4239

 24.2041, 12.3114,
8.6439

 62.6329, 71.8990,
74.6944

 69.8667, 83.8944,
84.7273

 73.9564, 89.4283,
94.2460

 75.7201, 90.1338,
103.5335

Harmonies

Analogous

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



31.4604, 24.9320, 44.5961



33.4517, 24.9320, 29.8373



32.5725, 24.9320, 18.2168

Triad

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



33.4517, 24.9320, 29.8373



20.3299, 24.9320, 10.1467



18.9397, 24.9320, 52.7236

Complementary

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



33.4517, 24.9320, 29.8373



32.6045, 45.3687, 40.7592

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.



16.6009, 24.9320, 38.6017



33.4517, 24.9320, 29.8373



17.3292, 24.9320, 14.9711

Square

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



33.4517, 24.9320, 29.8373



24.6189, 24.9320, 9.1349



16.0511, 24.9320, 24.6229



22.7987, 24.9320, 60.2558

Rectangle

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



33.4517, 24.9320, 29.8373



30.5270, 24.9320, 13.2501



16.0511, 24.9320, 24.6229



17.9705, 24.9320, 48.4088

Sweetspot

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



33.4524, 24.9332, 29.8378



82.3661, 79.4407, 89.8477



30.0714, 22.6296, 55.0077



17.2129, 16.3338, 18.5866



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.



33.4524, 24.9332, 29.8378



55.6614, 37.7461, 44.8316



31.9611, 25.6244, 18.0149



10.2393, 10.1443, 11.3506



15.5926, 7.9268, 5.7665



0.7079, 0.3562, 0.4290

Inverse Universe

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



33.4524, 24.9332, 29.8378



55.6614, 37.7461, 44.8316



34.5568, 43.6247, 58.8237



10.2393, 10.1443, 11.3506



15.5926, 7.9268, 5.7665



0.7079, 0.3562, 0.4290

Previews

White Background



This preview shows how the XYZ color 33.4517, 24.9320, 29.8373 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 33.4517, 24.9320, 29.8373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

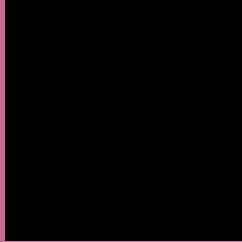
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4517, 24.9320, 29.8373

Background



This preview shows how black text looks on a background with the XYZ color 33.4517, 24.9320, 29.8373.



This preview shows how white text looks on a background with the XYZ color 33.4517, 24.9320,

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

33.4517, 24.9320, 29.8373

Protanopia

24.7529, 25.0871, 37.2559

Deuteranopia

25.5897, 25.0877, 28.6930



Tritanopia

31.8406, 24.9340, 21.8735

Trichromacy



Original Color

33.4517, 24.9320, 29.8373

Protanomaly

27.0233, 24.5139, 34.3177

Deuteranomaly

27.9420, 24.7272, 28.8913

Tritanomaly

32.5075, 25.0511, 24.5947

Monochromacy



Original Color

33.4517, 24.9320, 29.8373

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.2299, 25.1271, 29.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4517, 24.9320, 29.8373 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(196, 110, 145)` looks like.

```
.text, #text, p{  
    color:rgb(196, 110, 145)  
}
```

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(196, 110, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 110, 145) }
```

Border

The CSS property to change the border of an element to XYZ 33.4517, 24.9320, 29.8373 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(196, 110, 145) }
```


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

```
.border{ border-color:rgb(196, 110, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 110, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 110, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 110, 145);  
box-shadow:4px 4px 4px 4px rgb(196, 110,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4517, 24.9320, 29.8373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 110, 145) }
```

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

```
.background{ background-color: rgb(196,  
110, 145) }
```

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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