

Converting Colors

XYZ(33.8107, 26.6414, 21.7726)

Have a look what the booklet for
XYZ(33.8107, 26.6414, 21.7726)
contains.

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Color

**XYZ(33.8107, 26.6414,
21.7726)**

Conversions

Conversions Part 1

Format	Color
Hex	C8767A
RGB	200, 118, 122
RGB Percent	78%, 46%, 48%
CMY	0.2157, 0.5372, 0.5216
CMYK	0.00, 0.41, 0.39, 0.22
HSL	357°, 43%, 62%
HSV	357°, 41%, 78%
XYZ	33.8107, 26.6414, 21.7726
YIQ	142.9740, 47.5880, 18.6280

Conversions

Conversions Part 2

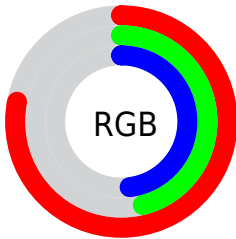
Format	Color
R_{YB}	200, 118, 122
Decimal	13137530
CIE Lab	58.64, 32.55, 11.74
CIE LCh	59, 34.600, 19.831
Yxy	26.6414, 0.4112, 0.3240
Android (android.graphics.Color)	4291327610 (0xFFC8767A)
YUV	142.9740, -10.3402, 50.0118
Hunter-Lab	51.6153, 26.6000, 11.1207

Details

The XYZ color **33.8107, 26.6414, 21.7726** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.0906, 49.1462, 59.7060**, and the grayscale version is **26.1254, 27.4860, 29.9322**.

A 20% lighter version of the original color is **63.4429, 53.4418, 47.0159**, and **14.5974, 10.4549, 7.5520** is the 20% darker color. If you saturate the color by 10%, you get **30.6345, 21.9946, 15.4562**, and if you desaturate by 10%, it is **37.7184, 32.3818, 29.4719**.

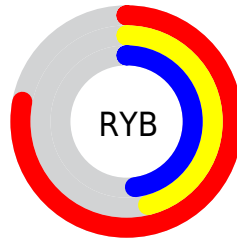
Distribution



Red (78%)

Green (46%)

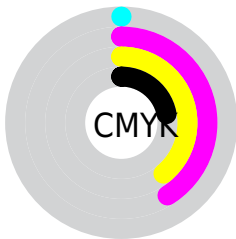
Blue (48%)



Red (78%)

Yellow (46%)

Blue (48%)

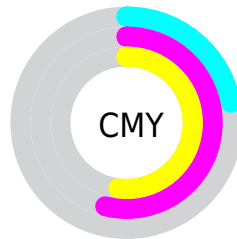


Cyan (0%)

Magenta (41%)

Yellow (39%)

Black (22%)



Cyan (22%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8107, 26.6414, 21.7726 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 33.8107, 26.6414, 21.7726 by changing the saturation by 10% instead.

33.8107, 26.6414,
21.7726

33.8107, 26.6414,
21.7726

310.8879,
285.9166, 274.2711

22.9104, 17.3041,
13.4932

64.9854, 54.3079,
47.2672

14.6477, 10.4515,
7.6343

85.9906, 73.4059,
65.3195

8.6572, 5.6994,
3.7775

111.0947, 96.5262,
87.4665

4.5736, 2.6631,
1.5041

140.6632,
124.0532, 114.1268

2.0315, 0.9585,
0.2210

175.0615,
156.3714, 145.7188

0.6515, 0.0000,
0.0000

214.6547,

0.0000, 0.0000,

193.8651, 182.6612

0.0000

259.8085,
236.9187, 225.3724

■ 33.8107, 26.6414,
21.7726

■ 33.8107, 26.6414,
21.7726

■ 30.6345, 21.9946,
15.4562

■ 37.7184, 32.3818,
29.4719

■ 28.1425, 18.3682,
10.4393

■ 42.3969, 39.2749,
38.6277

■ 26.2847, 15.6868,
6.6320


■ 47.8854, 47.3802,
49.3103


■ 25.0038, 13.8624,
3.9322


■ 54.2197, 56.7521,
61.5849

■ 24.2322, 12.7907,
2.2209

■ 61.4334, 67.4415,
75.5129

 23.8728, 12.3007,
1.3959

 69.5583, 79.4968,
91.1525

 77.6294, 91.0193,
108.0847

Harmonies

Analogous

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



34.2444, 26.6414, 33.3381



33.8107, 26.6414, 21.7726



30.9657, 26.6414, 14.5508

Triad

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



33.8107, 26.6414, 21.7726



19.5781, 26.6414, 16.3817



23.9067, 26.6414, 58.6696

Complementary

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



33.8107, 26.6414, 21.7726



38.0906, 49.1462, 59.7060

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.



20.4092, 26.6414, 50.8114



33.8107, 26.6414, 21.7726



18.1017, 26.6414, 25.0700

Square

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



33.8107, 26.6414, 21.7726



22.6503, 26.6414, 12.0956



18.3880, 26.6414, 37.6912



28.1957, 26.6414, 57.0535

Rectangle

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



33.8107, 26.6414, 21.7726



28.2444, 26.6414, 12.1220



18.3880, 26.6414, 37.6912



22.6082, 26.6414, 56.9793

Sweetspot

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



33.8114, 26.6427, 21.7731



81.7158, 80.2716, 83.0601



39.6434, 28.8507, 58.1228



17.2082, 16.7641, 17.2295



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.



33.8114, 26.6427, 21.7731



53.6830, 39.0201, 28.0462



38.7950, 36.9979, 22.2379



10.6545, 10.6452, 11.1637



15.1888, 7.8251, 0.9382



0.7267, 0.3735, 0.0837

Inverse Universe

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



33.8114, 26.6427, 21.7731



53.6830, 39.0201, 28.0462



31.0127, 34.2529, 59.6204



10.6545, 10.6452, 11.1637



15.1888, 7.8251, 0.9382



0.7267, 0.3735, 0.0837

Previews

White Background



This preview shows how the XYZ color 33.8107, 26.6414, 21.7726 looks on a white background.

Color Contrast Check

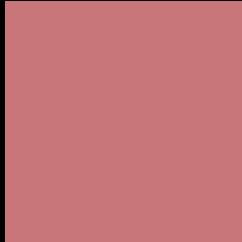
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8107, 26.6414, 21.7726 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 33.8107, 26.6414, 21.7726

Background



This preview shows how black text looks on a background with the XYZ color 33.8107, 26.6414, 21.7726.



This preview shows how white text looks on a background with the XYZ color 33.8107, 26.6414,

21.7726.

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

33.8107, 26.6414, 21.7726

Protanopia

25.6820, 26.8820, 26.3894

Deuteranopia

27.2382, 26.7268, 21.1759



Tritanopia

33.9466, 26.5083, 23.0661

Trichromacy



Original Color

33.8107, 26.6414, 21.7726

Protanomaly

28.1427, 26.4938, 24.7496

Deuteranomaly

29.1449, 26.2867, 21.3070

Tritanomaly

33.8824, 26.4826, 22.7279

Monochromacy



Original Color

33.8107, 26.6414, 21.7726

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

28.2081, 26.6920, 26.5870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8107, 26.6414, 21.7726 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(200, 118, 122)` looks like.

```
.text, #text, p{  
    color:rgb(200, 118, 122)  
}
```

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(200, 118, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 118, 122) }
```

Border

The CSS property to change the border of an element to XYZ 33.8107, 26.6414, 21.7726 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(200, 118, 122) }
```


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

```
.border{ border-color:rgb(200, 118, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 118, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 118, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 118, 122);  
box-shadow:4px 4px 4px 4px rgb(200, 118,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8107, 26.6414, 21.7726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 118, 122) }
```

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

```
.background{ background-color: rgb(200,  
118, 122) }
```

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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