

Converting Colors

XYZ(33.7451, 28.1246, 18.2026)

Have a look what the booklet for
XYZ(33.7451, 28.1246, 18.2026)
contains.

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Color

**XYZ(33.7744, 28.1679,
18.1249)**

Conversions

Conversions Part 1

Format	Color
Hex	C77E6D
RGB	199, 126, 109
RGB Percent	78%, 49%, 43%
CMY	0.2196, 0.5059, 0.5725
CMYK	0.00, 0.37, 0.45, 0.22
HSL	11°, 45%, 60%
HSV	11°, 45%, 78%
XYZ	33.7744, 28.1679, 18.1249
YIQ	145.8890, 48.9650, 10.1890

Conversions

Conversions Part 2

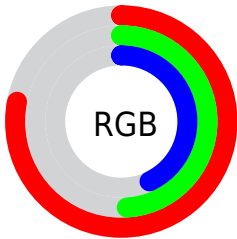
Format	Color
R_{YB}	199, 130, 109
Decimal	13074029
CIE Lab	60.04, 26.39, 21.08
CIE LCh	60, 33.779, 38.623
Yxy	28.1679, 0.4218, 0.3518
Android (android.graphics.Color)	4291264109 (0xFFC77E6D)
YUV	145.8890, -18.1863, 46.5783
Hunter-Lab	53.0734, 20.7137, 16.9035

Details

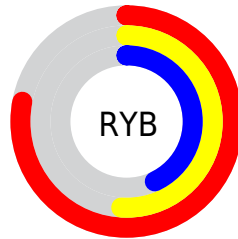
The XYZ color **33.7744, 28.1679, 18.1249** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **33.3428, 40.8292, 60.1564**, and the grayscale version is **27.3349, 28.7584, 31.3179**.

A 20% lighter version of the original color is **63.7931, 56.0734, 41.1792**, and **14.5821, 11.2566, 5.8191** is the 20% darker color. If you saturate the color by 10%, you get **30.9220, 23.9878, 12.4739**, and if you desaturate by 10%, it is **37.2037, 33.1138, 25.1652**.

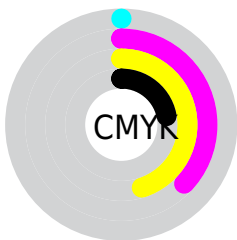
Distribution



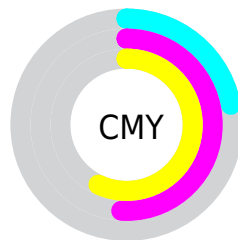
- Red (78%)
- Green (49%)
- Blue (43%)



- Red (78%)
- Yellow (51%)
- Blue (43%)



- Cyan (0%)
- Magenta (37%)
- Yellow (45%)
- Black (22%)





- Cyan (22%)
- Magenta (51%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7744, 28.1679, 18.1249 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 33.7744, 28.1679, 18.1249 by changing the saturation by 10% instead.


 33.7744, 28.1679,
18.1249


 33.7744, 28.1679,
18.1249


310.7286,
293.2683, 253.8338


 22.8824, 18.4523,
10.8693


 64.9293, 56.7524,
41.0668


 14.6269, 11.2752,
5.8660


 85.9229, 76.3900,
57.5903

 8.6426, 6.2522,
2.6963


 111.0145,
100.1038, 78.0401

 4.5640, 2.9991,
0.9416

 140.5693,
128.2781, 102.8349

 2.0259, 1.1312,
0.0000

174.9528,
161.2973, 132.3931

 0.6485, 0.0044,
0.0000

214.5303,

 0.0000, 0.0000,

199.5458, 167.1333

0.0000

259.6671,
243.4080, 207.4740

■ 33.7744, 28.1679,
18.1249

■ 33.7744, 28.1679,
18.1249

■ 30.9220, 23.9878,
12.4739

■ 37.2037, 33.1138,
25.1652

■ 28.6119, 20.5308,
8.1179

■ 41.2378, 38.8570,
33.6774

■ 26.8089, 17.7563,
4.9535


■ 45.9051, 45.4324,
43.7391


■ 25.4725, 15.6179,
2.8606


■ 51.2316, 52.8715,
55.4226

■ 24.5553, 14.0630,
1.6931

■ 57.2419, 61.2043,
68.7951

 24.2335, 13.5028,
1.3290

 63.9593, 70.4592,
83.9202

 71.4059, 80.6634,
100.8584

 77.3632, 90.8821,
108.0723

Harmonies

Analogous

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



35.8189, 28.1679, 27.2512



33.7744, 28.1679, 18.1249



29.9047, 28.1679, 13.4675

Triad

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



33.7744, 28.1679, 18.1249



19.7807, 28.1679, 22.8152



28.0331, 28.1679, 60.5859

Complementary

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



33.7744, 28.1679, 18.1249



33.3428, 40.8292, 60.1564

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.



23.8675, 28.1679, 58.4653



33.7744, 28.1679, 18.1249



19.3944, 28.1679, 34.3635

Square

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



33.7744, 28.1679, 18.1249



21.9312, 28.1679, 15.6271



20.8125, 28.1679, 47.9747



32.2790, 28.1679, 53.1693

Rectangle

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



33.7744, 28.1679, 18.1249



26.9721, 28.1679, 12.5509



20.8125, 28.1679, 47.9747



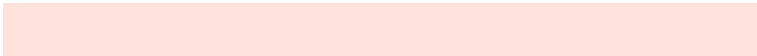
26.5743, 28.1679, 60.9979

Sweetspot

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



33.7751, 28.1693, 18.1254



81.2743, 80.8074, 78.5389



37.5173, 26.4778, 47.6609



16.9868, 16.7221, 15.9204



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.



33.7751, 28.1693, 18.1254



54.3386, 42.2914, 22.2214



40.7823, 42.1837, 20.4612



10.7933, 10.9558, 11.1086



15.6309, 8.7790, 0.8707



0.7903, 0.5161, 0.0580

Inverse Universe

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



33.3428, 40.8292, 60.1564



53.4413, 67.0524, 104.7335



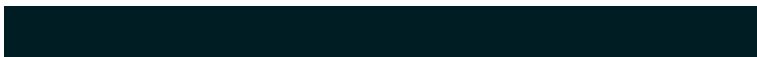
25.6327, 25.4089, 57.5863



10.7698, 11.7137, 13.6108



14.9298, 19.2535, 37.6738



0.7521, 1.0021, 1.7989

Previews

White Background



This preview shows how the XYZ color 33.7744, 28.1679, 18.1249 looks on a white background.

Color Contrast Check

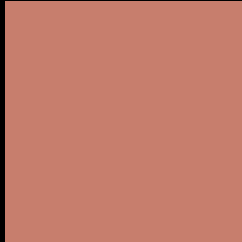
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7744, 28.1679, 18.1249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

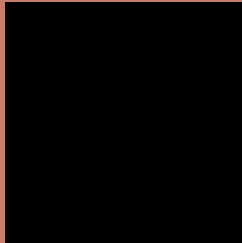
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.7744, 28.1679, 18.1249

Background



This preview shows how black text looks on a background with the XYZ color 33.7744, 28.1679, 18.1249.



This preview shows how white text looks on a background with the XYZ color 33.7744, 28.1679,

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

33.7744, 28.1679, 18.1249

Protanopia

26.7218, 28.4288, 21.2185

Deuteranopia

28.8997, 28.2974, 17.8487



Tritanopia

35.3352, 28.2494, 25.4201

Trichromacy



Original Color

33.7744, 28.1679, 18.1249

Protanomaly

28.7606, 27.9608, 20.1008

Deuteranomaly

30.5233, 28.0780, 17.9982

Tritanomaly

34.6652, 28.1499, 22.6752

Monochromacy



Original Color

33.7744, 28.1679, 18.1249

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

28.9833, 28.1580, 26.0978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7744, 28.1679, 18.1249 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(199, 126, 109)` looks like.

```
.text, #text, p{  
    color:rgb(199, 126, 109)  
}
```

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(199, 126, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 126, 109) }
```

Border

The CSS property to change the border of an element to XYZ 33.7744, 28.1679, 18.1249 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(199, 126, 109) }
```


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

```
.border{ border-color:rgb(199, 126, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 126, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 126, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 126, 109); box-shadow:4px 4px 4px 4px rgb(199, 126, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7744, 28.1679, 18.1249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 126, 109) }
```

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

```
.background{ background-color: rgb(199,  
126, 109) }
```

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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