

Converting Colors

XYZ(33.3252, 24.9227, 17.8765)

Have a look what the booklet for
XYZ(33.3252, 24.9227, 17.8765)
contains.

XYZ(33.4599, 25.0422, 17.8219)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4599, 25.0422,
17.8219)**

Conversions

Conversions Part 1

Format	Color
Hex	CD6D6E
RGB	205, 109, 110
RGB Percent	80%, 43%, 43%
CMY	0.1961, 0.5725, 0.5686
CMYK	0.00, 0.47, 0.46, 0.20
HSL	359°, 49%, 62%
HSV	359°, 47%, 80%
XYZ	33.4599, 25.0422, 17.8219
YIQ	137.8180, 56.8950, 20.6630

Conversions

Conversions Part 2

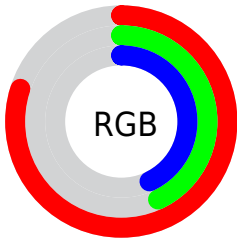
Format	Color
R_{YB}	205, 109, 110
Decimal	13462894
CIE _{Lab}	57.12, 37.89, 16.66
CIE _{LCh}	57, 41.390, 23.736
Yxy	25.0422, 0.4384, 0.3281
Android (android.graphics.Color)	4291652974 (0xFFCD6D6E)
YUV	137.8180, -13.7143, 58.9186
Hunter-Lab	50.0422, 31.7773, 13.9141

Details

The XYZ color **33.4599, 25.0422, 17.8219** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **39.0384, 51.2739, 64.9693**, and the grayscale version is **24.1242, 25.3806, 27.6394**.

A 20% lighter version of the original color is **60.6819, 49.7093, 40.5790**, and **14.4429, 9.5880, 5.7921** is the 20% darker color. If you saturate the color by 10%, you get **30.5414, 20.7752, 12.0093**, and if you desaturate by 10%, it is **37.1425, 30.4327, 25.1372**.

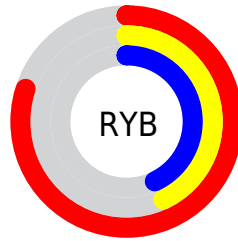
Distribution



Red (80%)

Green (43%)

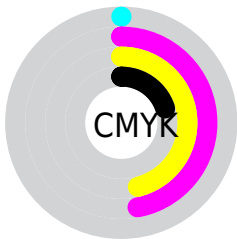
Blue (43%)



Red (80%)

Yellow (43%)

Blue (43%)

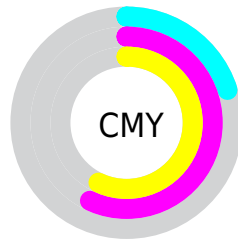


Cyan (0%)

Magenta (47%)

Yellow (46%)

Black (20%)



Cyan (20%)


Magenta (57%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4599, 25.0422, 17.8219 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 33.4599, 25.0422, 17.8219 by changing the saturation by 10% instead.

 33.4599, 25.0422,
17.8219


 33.4599, 25.0422,
17.8219


309.3455,
278.0480, 252.0676


 22.6399, 16.1085,
10.6541


 64.4428, 51.7257,
40.5434


 14.4471, 9.6010,
5.7235


 85.3364, 70.2442,
56.9342

 8.5160, 5.1352,
2.6116


 110.3185, 92.7265,
77.2365

 4.4815, 2.3268,
0.8985

 139.7546,
119.5570, 101.8686

 1.9779, 0.7878,
0.0000

174.0100,
151.1200, 131.2493

 0.6215, 0.0000,
0.0000

213.4501,

 0.0000, 0.0000,

187.7999, 165.7970

0.0000

258.4401,
229.9811, 205.9302

■ 33.4599, 25.0422,
17.8219

■ 33.4599, 25.0422,
17.8219

■ 30.5414, 20.7752,
12.0093

■ 37.1425, 30.4327,
25.1372

■ 28.3317, 17.5491,
7.5938

■ 41.6356, 37.0143,
34.0479

■ 26.7709, 15.2757,
4.4585


■ 46.9842, 44.8537,
44.6412


■ 25.7887, 13.8512,
2.4671


■ 53.2295, 54.0116,
56.9972

■ 25.2943, 13.1391,
1.4488

■ 60.4099, 64.5446,
71.1911

 25.1884, 12.9837,
1.2395

 68.5616, 76.5063,
87.2938

 77.7191, 89.9472,
105.3722

 78.9867, 91.7191,
108.1483

Harmonies

Analogous

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



34.3936, 25.0422, 30.3036



33.4599, 25.0422, 17.8219



29.7911, 25.0422, 10.8385

Triad

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



33.4599, 25.0422, 17.8219



17.0130, 25.0422, 14.2658



22.7932, 25.0422, 63.6249

Complementary

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



33.4599, 25.0422, 17.8219



39.0384, 51.2739, 64.9693

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.



18.6745, 25.0422, 55.1604



33.4599, 25.0422, 17.8219



15.6440, 25.0422, 24.4398

Square

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



33.4599, 25.0422, 17.8219



20.2232, 25.0422, 9.3301



16.2080, 25.0422, 39.5689



27.7797, 25.0422, 59.9821

Rectangle

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



33.4599, 25.0422, 17.8219



26.5261, 25.0422, 8.7567



16.2080, 25.0422, 39.5689



21.2708, 25.0422, 62.0296

Sweetspot

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



33.4605, 25.0435, 17.8224



79.5244, 77.2295, 78.1965



41.2263, 28.0991, 61.0081



16.5672, 15.8642, 15.8381



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.



33.4605, 25.0435, 17.8224



50.0753, 34.1001, 19.7668



39.7259, 37.6604, 19.6452



11.2170, 11.2155, 11.6772



15.6829, 8.0838, 0.7830



0.8107, 0.4177, 0.0493

Inverse Universe

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



33.4605, 25.0435, 17.8224



50.0753, 34.1001, 19.7668



29.6568, 32.3192, 62.4325



11.2170, 11.2155, 11.6772



15.6829, 8.0838, 0.7830



0.8107, 0.4177, 0.0493

Previews

White Background



This preview shows how the XYZ color 33.4599, 25.0422, 17.8219 looks on a white background.

Color Contrast Check

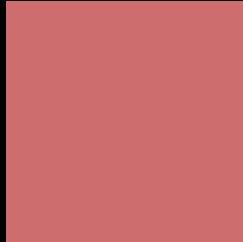
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4599, 25.0422, 17.8219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

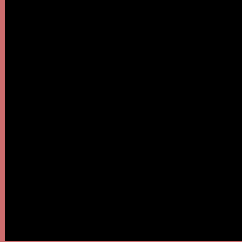
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4599, 25.0422, 17.8219

Background



This preview shows how black text looks on a background with the XYZ color 33.4599, 25.0422, 17.8219.



This preview shows how white text looks on a background with the XYZ color 33.4599, 25.0422,

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

33.4599, 25.0422, 17.8219

Protanopia

23.9114, 25.1862, 22.6699

Deuteranopia

25.5507, 25.1202, 17.1377



Tritanopia

33.6918, 24.9652, 19.5660

Trichromacy



Original Color

33.4599, 25.0422, 17.8219

Protanomaly

26.6450, 24.6176, 20.8001

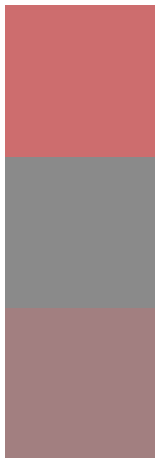
Deuteranomaly

27.9930, 24.8240, 17.2260

Tritanomaly

33.5767, 24.9192, 18.9598

Monochromacy



Original Color

33.4599, 25.0422, 17.8219

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

26.3859, 24.4186, 23.7447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4599, 25.0422, 17.8219 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(205, 109, 110)` looks like.

```
.text, #text, p{  
    color:rgb(205, 109, 110)  
}
```

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(205, 109, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 109, 110) }
```

Border

The CSS property to change the border of an element to XYZ 33.4599, 25.0422, 17.8219 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(205, 109, 110) }
```


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

```
.border{ border-color:rgb(205, 109, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 109, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 109, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 109, 110);  
box-shadow:4px 4px 4px 4px rgb(205, 109,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4599, 25.0422, 17.8219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 109, 110) }
```

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

```
.background{ background-color: rgb(205,  
109, 110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor