

Converting Colors

XYZ(33.8758, 18.6622, 23.8331)

Have a look what the booklet for
XYZ(33.8758, 18.6622, 23.8331)
contains.

XYZ(33.9895, 18.7264, 24.0134)	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(33.9895, 18.7264,
24.0134)**

Conversions

Conversions Part 1

Format	Color
Hex	D93285
RGB	217, 50, 133
RGB Percent	85%, 20%, 52%
CMY	0.1490, 0.8039, 0.4784
CMYK	0.00, 0.77, 0.39, 0.15
HSL	330°, 69%, 52%
HSV	330°, 77%, 85%
XYZ	33.9895, 18.7264, 24.0134
YIQ	109.3950, 72.8890, 61.2170

Conversions

Conversions Part 2

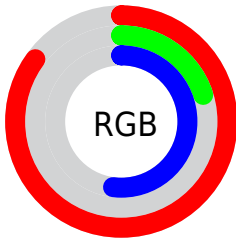
Format	Color
RYB	217, 50, 133
Decimal	14234245
CIELab	50.37, 68.84, -6.41
CIELCh	50, 69.139, 354.679
Yxy	18.7264, 0.4430, 0.2441
Android (android.graphics.Color)	4292424325 (0xFFD93285)
YUV	109.3950, 11.6373, 94.3696
Hunter-Lab	43.2740, 64.4730, -2.6091

Details

The XYZ color **33.9895, 18.7264, 24.0134** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle muted rose. A complement of this color would be **30.4328, 52.0256, 30.9967**, and the grayscale version is **14.6030, 15.3635, 16.7309**.

A 20% lighter version of the original color is **55.8971, 36.3935, 50.5329**, and **15.5049, 7.8082, 9.0774** is the 20% darker color. If you saturate the color by 10%, you get **32.5560, 17.0043, 20.0061**, and if you desaturate by 10%, it is **35.9417, 21.3604, 28.5806**.

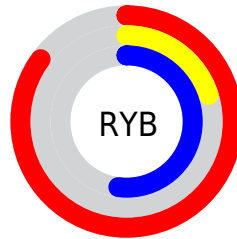
Distribution



Red (85%)

Green (20%)

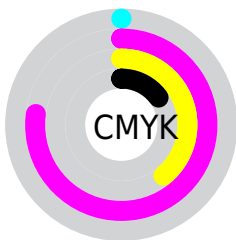
Blue (52%)



Red (85%)

Yellow (20%)

Blue (52%)

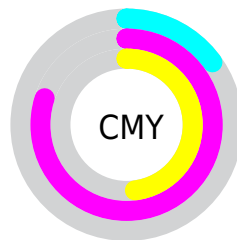


Cyan (0%)

Magenta (77%)

Yellow (39%)

Black (15%)



Cyan (15%)


Magenta (80%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9895, 18.7264, 24.0134 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 33.9895, 18.7264, 24.0134 by changing the saturation by 10% instead.


 33.9895, 18.7264,
24.0134


 33.9895, 18.7264,
24.0134


311.6720,
244.9341, 286.1770


 23.0484, 11.4727,
15.1313


 65.2617, 41.2713,
50.9962


 14.7501, 6.3858,
8.7639


 86.3236, 57.3313,
69.9339


 8.7294, 3.0810,
4.4928


 111.4897, 77.0955,
93.0606

 4.6208, 1.1742,
1.8994

 141.1254,
100.9484, 120.7947

 2.0590, 0.0405,
0.4924

 175.5962,
129.2743, 153.5549

 0.6668, 0.0000,
0.0000

215.2673,

 0.0000, 0.0000,

162.4576, 191.7596

0.0000

260.5041,
200.8828, 235.8275

■ 33.9895, 18.7264,
24.0134

■ 33.9895, 18.7264,
24.0134

■ 32.5560, 17.0043,
20.0061

■ 35.9417, 21.3604,
28.5806

■ 31.5656, 16.0467,
16.5214

■ 38.4682, 25.0139,
33.7370

■ 31.3136, 15.8311,
15.5487

■ 41.6186, 29.7828,
39.5102

■ 45.4365, 35.7507,
45.9250

■ 49.9615, 42.9933,
53.0046

■ 55.2296, 51.5802,
60.7708

■ 61.2748, 61.5755,
69.2441

■ 68.1284, 73.0395,
78.4442

■ 75.8203, 86.0289,
88.3897

Harmonies

Analogous

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



30.5420, 18.7264, 50.0941



33.9895, 18.7264, 24.0134



32.2899, 18.7264, 8.5235

Triad

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



33.9895, 18.7264, 24.0134



12.9359, 18.7264, 1.8698



11.3314, 18.7264, 67.8585

Complementary

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



33.9895, 18.7264, 24.0134



30.4328, 52.0256, 30.9967

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.



8.4588, 18.7264, 40.0429



33.9895, 18.7264, 24.0134



9.2089, 18.7264, 5.6164

Square

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



33.9895, 18.7264, 24.0134



19.0228, 18.7264, 1.2890



7.7931, 18.7264, 17.1505



16.6286, 18.7264, 83.7732

Rectangle

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



33.9895, 18.7264, 24.0134



28.6431, 18.7264, 3.8792



7.7931, 18.7264, 17.1505



10.1089, 18.7264, 58.9833

Sweetspot

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



33.9900, 18.7274, 24.0137



74.7175, 66.3614, 80.4614



23.4185, 12.3199, 66.7892



15.4265, 13.2860, 16.3728



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.



33.9900, 18.7274, 24.0137



46.0119, 23.5804, 25.7893



30.3324, 17.2644, 4.7527



13.3245, 13.1589, 14.9701



19.0089, 9.6046, 9.6930



1.2750, 0.6396, 0.8570

Inverse Universe

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



33.9900, 18.7274, 24.0137



46.0119, 23.5804, 25.7893



38.6532, 55.3138, 74.2849



13.3245, 13.1589, 14.9701



19.0089, 9.6046, 9.6930



1.2750, 0.6396, 0.8570

Previews

White Background



This preview shows how the XYZ color 33.9895, 18.7264, 24.0134 looks on a white background.

Color Contrast Check

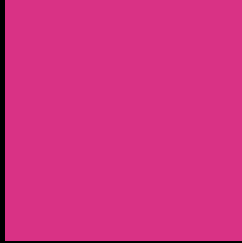
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9895, 18.7264, 24.0134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

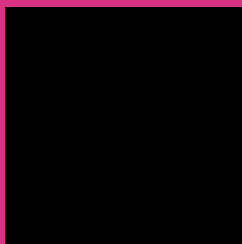
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9895, 18.7264, 24.0134

Background



This preview shows how black text looks on a background with the XYZ color 33.9895, 18.7264, 24.0134.



This preview shows how white text looks on a background with the XYZ color 33.9895, 18.7264,

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

33.9895, 18.7264, 24.0134

Protanopia

19.8995, 19.1347, 44.2395

Deuteranopia

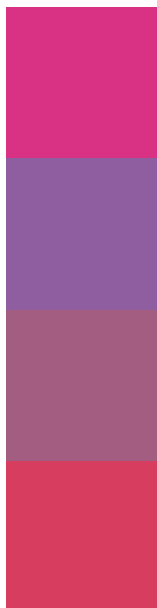
19.2689, 18.9491, 22.0440



Tritanopia

30.6774, 18.7483, 8.1328

Trichromacy



Original Color

33.9895, 18.7264, 24.0134

Protanomaly

21.7634, 16.4183, 35.7402

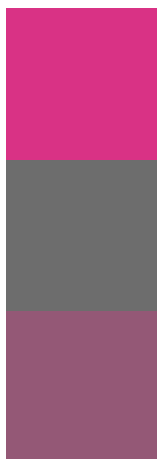
Deuteranomaly

22.7109, 17.0686, 22.5196

Tritanomaly

31.4207, 18.4418, 12.4932

Monochromacy



Original Color

33.9895, 18.7264, 24.0134

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

18.9725, 14.5834, 18.9544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9895, 18.7264, 24.0134 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(217, 50, 133)` looks like.

```
.text, #text, p{  
  color:rgb(217, 50, 133)  
}
```

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(217, 50, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 50, 133) }
```

Border

The CSS property to change the border of an element to XYZ 33.9895, 18.7264, 24.0134 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(217, 50, 133) }
```


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

```
.border{ border-color:rgb(217, 50, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 50, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 50, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 50, 133);  
box-shadow:4px 4px 4px 4px rgb(217, 50,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9895, 18.7264, 24.0134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 50, 133) }
```

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

```
.background{ background-color: rgb(217, 50,  
133) }
```

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