

Converting Colors

XYZ(33.2649, 22.3618, 28.2435)

Have a look what the booklet for
XYZ(33.2649, 22.3618, 28.2435)
contains.

XYZ(33.1540, 22.3383, 28.1555)	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(33.1540, 22.3383,
28.1555)**

Conversions

Conversions Part 1

Format	Color
Hex	CA5D8E
RGB	202, 93, 142
RGB Percent	79%, 36%, 56%
CMY	0.2078, 0.6353, 0.4431
CMYK	0.00, 0.54, 0.30, 0.21
HSL	333°, 51%, 58%
HSV	333°, 54%, 79%
XYZ	33.1540, 22.3383, 28.1555
YIQ	131.1770, 49.2350, 38.3470

Conversions

Conversions Part 2

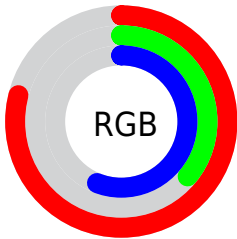
Format	Color
R_{YB}	202, 93, 142
Decimal	13262222
CIE _{Lab}	54.38, 48.59, -6.07
CIE _{LCh}	54, 48.965, 352.883
Yxy	22.3383, 0.3964, 0.2671
Android (android.graphics.Color)	4291452302 (0xFFCA5D8E)
YUV	131.1770, 5.3357, 62.1118
Hunter-Lab	47.2634, 42.5019, -2.2355

Details

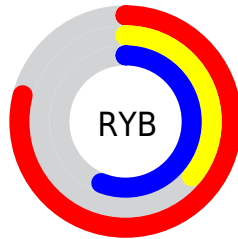
The XYZ color **33.1540, 22.3383, 28.1555** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.3857, 46.8688, 37.5320**, and the grayscale version is **21.6066, 22.7319, 24.7550**.

A 20% lighter version of the original color is **61.6375, 46.1130, 57.8766**, and **14.3343, 8.2435, 10.9609** is the 20% darker color. If you saturate the color by 10%, you get **30.8157, 18.9317, 23.4604**, and if you desaturate by 10%, it is **36.0451, 26.7168, 33.4463**.

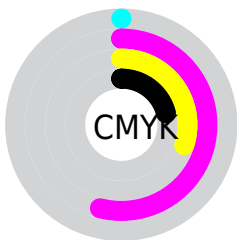
Distribution



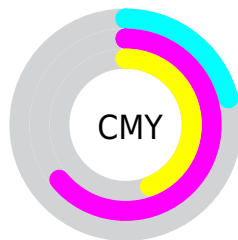
- Red (79%)
- Green (36%)
- Blue (56%)



- Red (79%)
- Yellow (36%)
- Blue (56%)



- Cyan (0%)
- Magenta (54%)
- Yellow (30%)
- Black (21%)





- Cyan (21%)
- Magenta (64%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1540, 22.3383, 28.1555 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 33.1540, 22.3383, 28.1555 by changing the saturation by 10% instead.

 33.1540, 22.3383,
28.1555


 33.1540, 22.3383,
28.1555


307.9958,
264.3079, 307.1445

 22.4042, 14.1057,
18.2028


 63.9690, 47.3045,
57.7587


 14.2725, 8.1942,
10.9248


 84.7649, 64.8069,
78.2463

 8.3934, 4.2195,
5.9027


 109.6402, 86.1680,
103.0827

 4.4016, 1.7971,
2.7182

 138.9603,
111.7722, 132.6863

 1.9318, 0.4853,
0.9526

173.0906,
142.0039, 167.4758

 0.5952, 0.0000,
0.0000

212.3964,

 0.0000, 0.0000,

177.2475, 207.8696

0.0000

257.2430,
217.8873, 254.2863

■ 33.1540, 22.3383,
28.1555

■ 33.1540, 22.3383,
28.1555

■ 30.8157, 18.9317,
23.4604

■ 36.0451, 26.7168,
33.4463

■ 28.9881, 16.4173,
19.3343

■ 39.5230, 32.1322,
39.3549

■ 27.6258, 14.7081,
15.7498

■ 43.6212, 38.6474,
45.9037

■ 26.6732, 13.6974,
12.6751

■ 48.3699, 46.3196,
53.1136

■ 26.2370, 13.3085,
11.0387

■ 53.7974, 55.2018,
61.0040

■ 59.9300, 65.3439,
69.5938

■ 66.7929, 76.7928,
78.9009

■ 74.4099, 89.5931,
88.9426

■ 76.1561, 90.4922,
97.5197

Harmonies

Analogous

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



30.5298, 22.3383, 46.7661



33.1540, 22.3383, 28.1555



32.1813, 22.3383, 14.5762

Triad

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



33.1540, 22.3383, 28.1555



17.4799, 22.3383, 6.0316



15.6129, 22.3383, 56.1641

Complementary

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



33.1540, 22.3383, 28.1555



31.3857, 46.8688, 37.5320

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.



13.0992, 22.3383, 37.6617



33.1540, 22.3383, 28.1555



14.0440, 22.3383, 10.5309

Square

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



33.1540, 22.3383, 28.1555



22.5311, 22.3383, 5.2435



12.5773, 22.3383, 20.8544



19.9836, 22.3383, 66.7965

Rectangle

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



33.1540, 22.3383, 28.1555



29.6907, 22.3383, 9.2849



12.5773, 22.3383, 20.8544



14.5548, 22.3383, 50.3632

Sweetspot

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



33.1546, 22.3394, 28.1559



79.9796, 75.3114, 87.0680



27.7036, 18.8618, 58.0579



16.7513, 15.5245, 18.0823



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.



33.1546, 22.3394, 28.1559



51.5121, 31.1180, 38.2983



30.7437, 22.1680, 13.0159



11.4184, 11.2961, 12.7381



16.9267, 8.5813, 7.3327



0.9113, 0.4579, 0.5787

Inverse Universe

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



33.1546, 22.3394, 28.1559



51.5121, 31.1180, 38.2983



35.0399, 46.3205, 62.9713



11.4184, 11.2961, 12.7381



16.9267, 8.5813, 7.3327



0.9113, 0.4579, 0.5787

Previews

White Background



This preview shows how the XYZ color 33.1540, 22.3383, 28.1555 looks on a white background.

Color Contrast Check

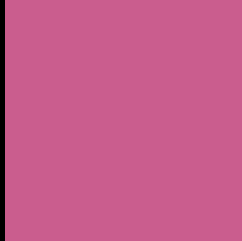
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.1540, 22.3383, 28.1555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

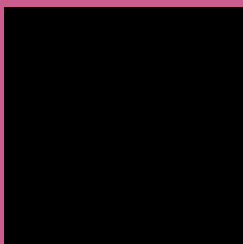
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1540, 22.3383, 28.1555

Background



This preview shows how black text looks on a background with the XYZ color 33.1540, 22.3383, 28.1555.



This preview shows how white text looks on a background with the XYZ color 33.1540, 22.3383,

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

33.1540, 22.3383, 28.1555

Protanopia

22.6183, 22.5186, 39.2308

Deuteranopia

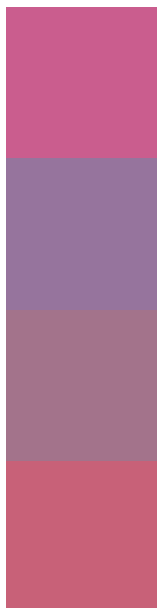
22.9199, 22.5603, 26.8135



Tritanopia

30.7642, 22.3180, 16.5963

Trichromacy



Original Color

33.1540, 22.3383, 28.1555

Protanomaly

24.9089, 21.4091, 34.7178

Deuteranomaly

25.8952, 21.9121, 27.2907

Tritanomaly

31.4843, 22.1848, 20.3920

Monochromacy



Original Color

33.1540, 22.3383, 28.1555

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

24.6391, 21.6399, 25.8000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1540, 22.3383, 28.1555 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(202, 93, 142)` looks like.

```
.text, #text, p{  
    color:rgb(202, 93, 142)  
}
```

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(202, 93, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 93, 142) }
```

Border

The CSS property to change the border of an element to XYZ 33.1540, 22.3383, 28.1555 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(202, 93, 142) }
```


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

```
.border{ border-color:rgb(202, 93, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 93, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 93, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 93, 142);  
box-shadow:4px 4px 4px 4px rgb(202, 93,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1540, 22.3383, 28.1555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 93, 142) }
```

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

```
.background{ background-color: rgb(202, 93,  
142) }
```

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