

Converting Colors

XYZ(33.0445, 17.5642, 13.4948)

Have a look what the booklet for
XYZ(33.0445, 17.5642, 13.4948)
contains.

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Color

**XYZ(32.9202, 17.5182,
13.4506)**

Conversions

Conversions Part 1

Format	Color
Hex	DE2163
RGB	222, 33, 99
RGB Percent	87%, 13%, 39%
CMY	0.1294, 0.8705, 0.6118
CMYK	0.00, 0.85, 0.55, 0.13
HSL	339°, 74%, 50%
HSV	339°, 85%, 87%
XYZ	32.9202, 17.5182, 13.4506
YIQ	97.0350, 91.4580, 60.5940

Conversions

Conversions Part 2

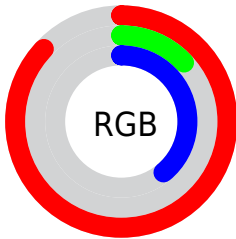
Format	Color
R_{YB}	222, 33, 99
Decimal	14557539
CIE _{Lab}	48.91, 71.37, 12.30
CIE _{LCh}	49, 72.421, 9.779
Yxy	17.5182, 0.5153, 0.2742
Android (android.graphics.Color)	4292747619 (0xFFDE2163)
YUV	97.0350, 0.9687, 109.5943
Hunter-Lab	41.8547, 67.1506, 10.2447

Details

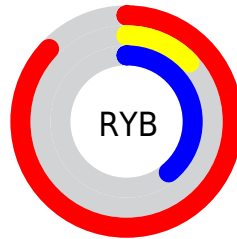
The XYZ color **32.9202, 17.5182, 13.4506** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed rose. A complement of this color would be **32.7515, 54.9670, 40.3449**, and the grayscale version is **11.3553, 11.9466, 13.0099**.

A 20% lighter version of the original color is **51.4162, 32.9327, 32.0805**, and **15.1398, 7.7306, 4.0624** is the 20% darker color. If you saturate the color by 10%, you get **31.8636, 16.4135, 9.9898**, and if you desaturate by 10%, it is **34.5068, 19.4853, 17.6981**.

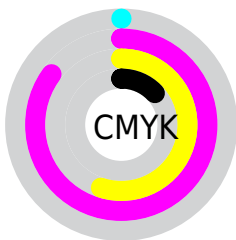
Distribution



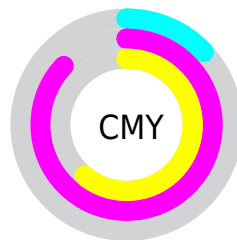
- Red (87%)
- Green (13%)
- Blue (39%)



- Red (87%)
- Yellow (13%)
- Blue (39%)



- Cyan (0%)
- Magenta (85%)
- Yellow (55%)
- Black (13%)




- Cyan (13%)
- Magenta (87%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9202, 17.5182, 13.4506 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 32.9202, 17.5182, 13.4506 by changing the saturation by 10% instead.


 32.9202, 17.5182,
13.4506


 32.9202, 17.5182,
13.4506


306.9613,
238.1412, 225.0940


 22.2243, 10.6046,
7.6052


 63.6064, 39.2146,
32.8139


 14.1393, 5.8017,
3.7592


 84.3274, 54.7663,
47.1690


 8.3000, 2.7249,
1.4942


 109.1208, 73.9661,
65.1976


 4.3409, 0.9898,
0.2136

 138.3520, 97.1984,
87.3184

 1.8967, 0.0000,
0.0000

 172.3863,
124.8477, 113.9499

 0.5749, 0.0000,
0.0000

 211.5890,

 0.0000, 0.0000,

157.2983, 145.5106

0.0000

256.3256,
194.9347, 182.4191

■ 32.9202, 17.5182,
13.4506

■ 32.9202, 17.5182,
13.4506

■ 31.8636, 16.4135,
9.9898

■ 34.5068, 19.4853,
17.6981

■ 31.4816, 16.0726,
8.5587

■ 36.6971, 22.4522,
22.7866

■ 39.5536, 26.5347,
28.7652

■ 43.1300, 31.8319,
35.6783

■ 47.4746, 38.4319,
43.5670

■ 52.6309, 46.4144,
52.4695

■ 58.6394, 55.8527,
62.4220

■ 65.5376, 66.8150,
73.4587

■ 73.3609, 79.3652,
85.6122

Harmonies

Analogous

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



31.9700, 17.5182, 34.9508



32.9202, 17.5182, 13.4506



28.6959, 17.5182, 3.8371

Triad

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



32.9202, 17.5182, 13.4506



9.6719, 17.5182, 2.4224



12.5691, 17.5182, 79.1976

Complementary

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



32.9202, 17.5182, 13.4506



32.7515, 54.9670, 40.3449

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.



8.5590, 17.5182, 53.9334



32.9202, 17.5182, 13.4506



7.2257, 17.5182, 8.9241

Square

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



32.9202, 17.5182, 13.4506



14.5495, 17.5182, 0.9055



6.8821, 17.5182, 26.0808



18.9447, 17.5182, 83.7899

Rectangle

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



32.9202, 17.5182, 13.4506



24.0438, 17.5182, 1.6337



6.8821, 17.5182, 26.0808



10.9533, 17.5182, 72.3024

Sweetspot

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



32.9206, 17.5192, 13.4509



71.2376, 62.2720, 70.4518



27.4118, 13.4164, 70.2518



14.7018, 12.4807, 14.1460



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.



32.9206, 17.5192, 13.4509



43.0444, 21.9818, 11.4320



32.0873, 19.0163, 3.4197



13.9038, 13.7792, 15.2638



18.7471, 9.5659, 5.3342



1.3408, 0.6796, 0.5874

Inverse Universe

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



32.9206, 17.5192, 13.4509



43.0444, 21.9818, 11.4320



33.0272, 44.0268, 75.8642



13.9038, 13.7792, 15.2638



18.7471, 9.5659, 5.3342



1.3408, 0.6796, 0.5874

Previews

White Background



This preview shows how the XYZ color 32.9202, 17.5182, 13.4506 looks on a white 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

Black Background



This preview shows how the XYZ color 32.9202, 17.5182, 13.4506 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 32.9202, 17.5182, 13.4506

Background



This preview shows how black text looks on a background with the XYZ color 32.9202, 17.5182, 13.4506.

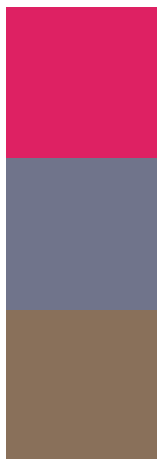


This preview shows how white text looks on a background with the XYZ color 32.9202, 17.5182,

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

32.9202, 17.5182, 13.4506

Protanopia

17.5877, 17.7996, 26.9348

Deuteranopia

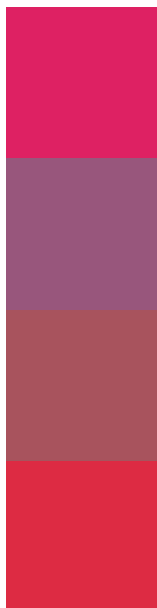
17.9562, 17.6449, 12.1323



Tritanopia

31.1265, 17.5513, 4.6529

Trichromacy



Original Color

32.9202, 17.5182, 13.4506

Protanomaly

19.9148, 14.7862, 20.8732

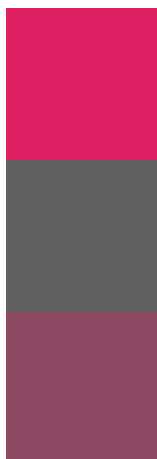
Deuteranomaly

21.2175, 15.3017, 12.1912

Tritanomaly

31.6958, 17.5052, 7.0185

Monochromacy



Original Color

32.9202, 17.5182, 13.4506

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.8087, 11.5302, 12.9476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9202, 17.5182, 13.4506 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(222, 33, 99)` looks like.

```
.text, #text, p{  
  color:rgb(222, 33, 99)  
}
```

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(222, 33, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 33, 99) }
```

Border

The CSS property to change the border of an element to XYZ 32.9202, 17.5182, 13.4506 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(222, 33, 99) }
```


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

```
.border{ border-color:rgb(222, 33, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 33, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 33, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 33, 99);  
box-shadow:4px 4px 4px 4px rgb(222, 33,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9202, 17.5182, 13.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 33, 99) }
```

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

```
.background{ background-color: rgb(222, 33,  
99) }
```

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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