

Converting Colors

XYZ(34.2228, 17.1637, 23.2326)

Have a look what the booklet for
XYZ(34.2228, 17.1637, 23.2326)
contains.

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Color

**XYZ(34.2891, 17.1955,
23.3416)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0084
RGB	222, 0, 132
RGB Percent	87%, 0%, 52%
CMY	0.1294, 0.9998, 0.4824
CMYK	0.00, 1.00, 0.41, 0.13
HSL	324°, 100%, 44%
HSV	324°, 100%, 87%
XYZ	34.2891, 17.1955, 23.3416
YIQ	81.4260, 89.9400, 88.1160

Conversions

Conversions Part 2

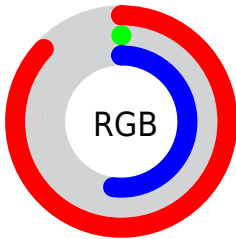
Format	Color
R_{YB}	222, 0, 132
Decimal	14549124
CIE _{Lab}	48.51, 77.90, -8.48
CIE _{LCh}	49, 78.359, 353.786
Yxy	17.1955, 0.4582, 0.2298
Android (android.graphics.Color)	4292739204 (0xFFDE0084)
YUV	81.4260, 24.9330, 123.2834
Hunter-Lab	41.4675, 75.0321, -4.3465

Details

The XYZ color **34.2891, 17.1955, 23.3416** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **27.9691, 52.9818, 18.4347**, and the grayscale version is **7.8497, 8.2585, 8.9935**.

A 20% lighter version of the original color is **53.9113, 32.5915, 49.3483**, and **16.2593, 8.2016, 8.9097** is the 20% darker color. If you saturate the color by 10%, you get **34.2880, 17.1951, 23.3355**, and if you desaturate by 10%, it is **35.2237, 18.0359, 26.8248**.

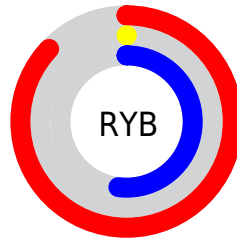
Distribution



Red (87%)

Green (0%)

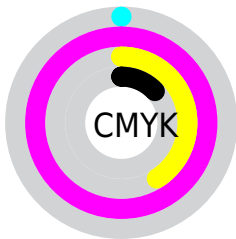
Blue (52%)



Red (87%)

Yellow (0%)

Blue (52%)

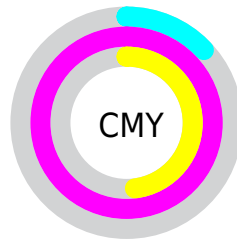


Cyan (0%)

Magenta (100%)

Yellow (41%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.2891, 17.1955, 23.3416 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 34.2891, 17.1955, 23.3416 by changing the saturation by 10% instead.


 34.2891, 17.1955,
23.3416


 34.2891, 17.1955,
23.3416


312.9825,
236.2965, 282.6533


 23.2797, 10.3740,
14.6383


 65.7243, 38.6616,
49.8839

 14.9220, 5.6476,
8.4221


 86.8808, 54.0750,
68.5600


 8.8506, 2.6320,
4.2746


 112.1505, 73.1211,
91.3974

 4.7002, 0.9428,
1.7772

 141.8985, 96.1843,
118.8147

 2.1054, 0.0000,
0.4128

 176.4904,
123.6491, 151.2303

 0.6921, 0.0000,
0.0000

 216.2915,

 0.0000, 0.0000,

155.8998, 189.0630

0.0000

261.6671,
193.3208, 232.7311

■ 34.2891, 17.1955,
23.3416

■ 34.2891, 17.1955,
23.3416

■ 34.2880, 17.1951,
23.3355

■ 35.2237, 18.0359,
26.8248

■ 36.5468, 19.5663,
30.7061

■ 38.3687, 22.0049,
35.0285

■ 40.7521, 25.4756,
39.8187

■ 43.7500, 30.0825,
45.1002

■ 47.4091, 35.9168,
50.8941

■ 51.7711, 43.0606,
57.2199

■ 56.8744, 51.5886,
64.0955

■ 62.7543, 61.5702,
71.5379

Harmonies

Analogous

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



30.2198, 17.1955, 53.1866



34.2891, 17.1955, 23.3416



32.5296, 17.1955, 6.8677

Triad

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



34.2891, 17.1955, 23.3416



11.3801, 17.1955, 0.8339



9.4638, 17.1955, 72.2421

Complementary

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



34.2891, 17.1955, 23.3416



27.9691, 52.9818, 18.4347

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.



6.6798, 17.1955, 39.6496



34.2891, 17.1955, 23.3416



7.5379, 17.1955, 3.7242

Square

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



34.2891, 17.1955, 23.3416



17.8856, 17.1955, 0.4007



6.0960, 17.1955, 14.7577



14.8932, 17.1955, 92.0550

Rectangle

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



34.2891, 17.1955, 23.3416



28.4870, 17.1955, 2.5198



6.0960, 17.1955, 14.7577



8.2600, 17.1955, 61.6278

Sweetspot

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



34.2896, 17.1965, 23.3419



70.7120, 58.6809, 78.1068



17.2884, 7.3901, 69.6226



14.5686, 11.6267, 15.9128



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.



34.2896, 17.1965, 23.3419



46.8749, 23.5140, 31.6032



30.2718, 15.5894, 2.1847



14.0475, 13.8366, 16.0204



20.4228, 10.2361, 14.1579



1.4596, 0.7271, 1.2132

Inverse Universe

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



34.2896, 17.1965, 23.3419



46.8749, 23.5140, 31.6032



36.5243, 56.4039, 63.4858



14.0475, 13.8366, 16.0204



20.4228, 10.2361, 14.1579



1.4596, 0.7271, 1.2132

Previews

White Background



This preview shows how the XYZ color 34.2891, 17.1955, 23.3416 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 34.2891, 17.1955, 23.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

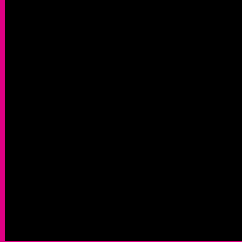
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.2891, 17.1955, 23.3416

Background



This preview shows how black text looks on a background with the XYZ color 34.2891, 17.1955, 23.3416.



This preview shows how white text looks on a background with the XYZ color 34.2891, 17.1955,

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

34.2891, 17.1955, 23.3416

Protanopia

19.3405, 18.0103, 50.6011

Deuteranopia

18.1344, 17.8754, 20.9069



Tritanopia

30.8073, 17.6278, 5.2688

Trichromacy



Original Color

34.2891, 17.1955, 23.3416



Protanomaly

19.7670, 12.9106, 38.4960



Deuteranomaly

20.8464, 13.8485, 21.3130



Tritanomaly

31.2803, 16.7570, 9.5684

Monochromacy



Original Color

34.2891, 17.1955, 23.3416



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0440, 8.2816, 12.9676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2891, 17.1955, 23.3416 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, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 132)  
}
```

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, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 34.2891, 17.1955, 23.3416 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, 0, 132) }
```


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

```
.border{ border-color:rgb(222, 0, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2891, 17.1955, 23.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 132) }
```

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

```
.background{ background-color: rgb(222, 0,  
132) }
```

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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