

Converting Colors

XYZ(36.5448, 18.9412, 24.2072)

Have a look what the booklet for
XYZ(36.5448, 18.9412, 24.2072)
contains.

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Color

**XYZ(36.6899, 18.9991,
24.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	E41B86
RGB	228, 27, 134
RGB Percent	89%, 11%, 53%
CMY	0.1059, 0.8940, 0.4745
CMYK	0.00, 0.88, 0.41, 0.11
HSL	328°, 79%, 50%
HSV	328°, 88%, 89%
XYZ	36.6899, 18.9991, 24.2877
YIQ	99.2970, 85.4490, 75.8890

Conversions

Conversions Part 2

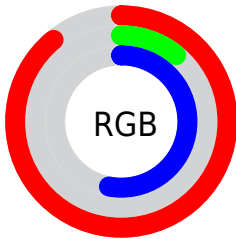
Format	Color
R_{YB}	228, 27, 134
Decimal	14949254
CIE _{Lab}	50.69, 76.62, -6.32
CIE _{LCh}	51, 76.879, 355.286
Yxy	18.9991, 0.4588, 0.2376
Android (android.graphics.Color)	4293139334 (0xFFE41B86)
YUV	99.2970, 17.1086, 112.8725
Hunter-Lab	43.5880, 73.9724, -2.5255

Details

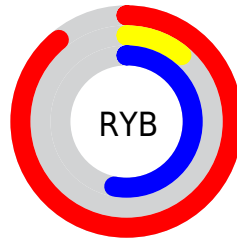
The XYZ color **36.6899, 18.9991, 24.2877** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **31.6487, 57.1011, 27.4505**, and the grayscale version is **11.8809, 12.4996, 13.6121**.

A 20% lighter version of the original color is **54.9610, 34.3506, 50.7473**, and **17.5760, 8.8714, 9.3803** is the 20% darker color. If you saturate the color by 10%, you get **35.6369, 18.0242, 20.4502**, and if you desaturate by 10%, it is **38.2129, 20.7942, 28.6522**.

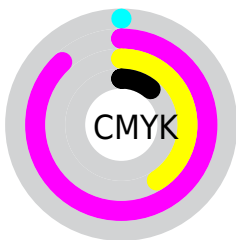
Distribution



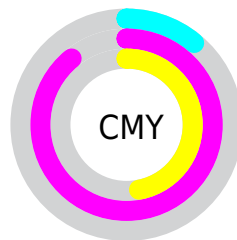
- Red (89%)
- Green (11%)
- Blue (53%)



- Red (89%)
- Yellow (11%)
- Blue (53%)



- Cyan (0%)
- Magenta (88%)
- Yellow (41%)
- Black (11%)





- Cyan (11%)
- Magenta (89%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6899, 18.9991, 24.2877 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 36.6899, 18.9991, 24.2877 by changing the saturation by 10% instead.


 36.6899, 18.9991,
24.2877


 36.6899, 18.9991,
24.2877


323.3449,
246.4438, 287.6050


 25.1401, 11.6696,
15.3330


 69.4125, 41.7326,
51.4490


 16.3107, 6.5191,
8.9042


 91.3160, 57.9054,
70.4926


 9.8365, 3.1632,
4.5828


 117.4014, 77.7947,
93.7364

 5.3521, 1.2175,
1.9502

 148.0341,
101.7851, 121.5987

 2.4922, 0.0760,
0.5244

 183.5795,
130.2607, 154.4982

 0.8913, 0.0000,
0.0000

 224.4028,

 0.0000, 0.0000,

163.6061, 192.8534

0.0000

270.8695,
202.2057, 237.0828

■ 36.6899, 18.9991,
24.2877

■ 36.6899, 18.9991,
24.2877

■ 35.6369, 18.0242,
20.4502

■ 38.2129, 20.7942,
28.6522

■ 35.4682, 17.8833,
19.7877

■ 40.2968, 23.5875,
33.5840

■ 43.0076, 27.5080,
39.1155

■ 46.4013, 32.6644,
45.2747

■ 50.5273, 39.1526,
52.0877

■ 55.4301, 47.0587,
59.5782

■ 61.1507, 56.4616,
67.7685

■ 67.7269, 67.4345,
76.6799

■ 75.1943, 80.0456,
86.3323

Harmonies

Analogous

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



32.7791, 18.9991, 54.4591



36.6899, 18.9991, 24.2877



34.5831, 18.9991, 7.5422

Triad

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



36.6899, 18.9991, 24.2877



12.5491, 18.9991, 1.2789



10.9996, 18.9991, 76.9814

Complementary

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



36.6899, 18.9991, 24.2877



31.6487, 57.1011, 27.4505

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.



7.8698, 18.9991, 43.9564



36.6899, 18.9991, 24.2877



8.5742, 18.9991, 4.9116

Square

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



36.6899, 18.9991, 24.2877



19.2751, 18.9991, 0.7530



7.1247, 18.9991, 17.4606



16.8933, 18.9991, 95.7253

Rectangle

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



36.6899, 18.9991, 24.2877



30.2911, 18.9991, 2.9906



7.1247, 18.9991, 17.4606



9.6617, 18.9991, 66.4076

Sweetspot

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



36.6904, 19.0002, 24.2880



72.8264, 62.9076, 78.8182



22.2551, 10.4379, 74.2403



15.0758, 12.6303, 16.1151



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.



36.6904, 19.0002, 24.2880



45.6649, 23.0300, 25.2313



32.6721, 17.3929, 3.1277



14.6960, 14.4956, 16.5997



20.5412, 10.3507, 11.7447



1.5648, 0.7836, 1.1146

Inverse Universe

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



36.6904, 19.0002, 24.2880



45.6649, 23.0300, 25.2313



41.2872, 60.9565, 78.2065



14.6960, 14.4956, 16.5997



20.5412, 10.3507, 11.7447



1.5648, 0.7836, 1.1146

Previews

White Background



This preview shows how the XYZ color 36.6899, 18.9991, 24.2877 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 36.6899, 18.9991, 24.2877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

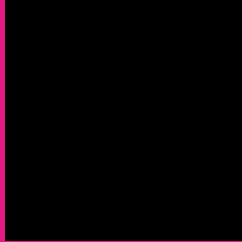
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6899, 18.9991, 24.2877

Background



This preview shows how black text looks on a background with the XYZ color 36.6899, 18.9991, 24.2877.



This preview shows how white text looks on a background with the XYZ color 36.6899, 18.9991,

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

36.6899, 18.9991, 24.2877

Protanopia

20.6060, 19.3546, 50.7939

Deuteranopia

19.6322, 19.3176, 21.7627



Tritanopia

32.9930, 19.0893, 6.0834

Trichromacy



Original Color

36.6899, 18.9991, 24.2877



Protanomaly

21.9908, 15.4494, 39.3591



Deuteranomaly

23.0811, 16.2710, 22.3462



Tritanomaly

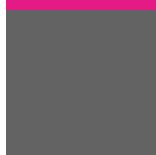
33.7080, 18.6334, 10.6241

Monochromacy



Original Color

36.6899, 18.9991, 24.2877



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

17.1612, 12.0459, 16.7498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6899, 18.9991, 24.2877 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(228, 27, 134)` looks like.

```
.text, #text, p{  
  color:rgb(228, 27, 134)  
}
```

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(228, 27, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 27, 134) }
```

Border

The CSS property to change the border of an element to XYZ 36.6899, 18.9991, 24.2877 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(228, 27, 134) }
```


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

```
.border{ border-color:rgb(228, 27, 134) }
```

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

Here you see how a box with a 4 pixel rgb(228, 27, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 27, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 27, 134);  
box-shadow:4px 4px 4px 4px rgb(228, 27,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6899, 18.9991, 24.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 27, 134) }
```

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

```
.background{ background-color: rgb(228, 27,  
134) }
```

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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