

Converting Colors

XYZ(33.8728, 13.3062, 25.5885)

Have a look what the booklet for
XYZ(33.8728, 13.3062, 25.5885)
contains.

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Color

**XYZ(36.4122, 18.2243,
26.4095)**

Conversions

Conversions Part 1

Format	Color
Hex	E3008C
RGB	227, 0, 140
RGB Percent	89%, 0%, 55%
CMY	0.1098, 0.9998, 0.4510
CMYK	0.00, 1.00, 0.38, 0.11
HSL	323°, 100%, 45%
HSV	323°, 100%, 89%
XYZ	36.4122, 18.2243, 26.4095
YIQ	83.8330, 90.3520, 91.6640

Conversions

Conversions Part 2

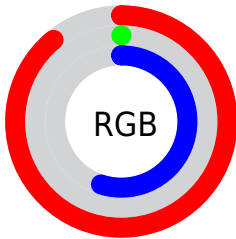
Format	Color
RYB	227, 0, 140
Decimal	14876812
CIELab	49.77, 79.66, -11.34
CIElCh	50, 80.463, 351.901
Yxy	18.2243, 0.4493, 0.2249
Android (android.graphics.Color)	4293066892 (0xFFE3008C)
YUV	83.8330, 27.6903, 125.5575
Hunter-Lab	42.6899, 77.5435, -6.7959

Details

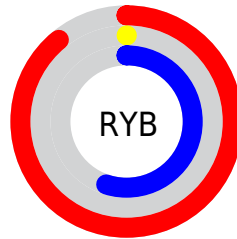
The XYZ color **36.4122, 18.2243, 26.4095** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **29.1918, 55.6274, 18.2249**, and the grayscale version is **8.3293, 8.7631, 9.5430**.

A 20% lighter version of the original color is **54.9803, 33.1604, 54.5418**, and **17.5713, 8.8452, 10.4540** is the 20% darker color. If you saturate the color by 10%, you get **36.4110, 18.2239, 26.4030**, and if you desaturate by 10%, it is **37.3810, 19.0940, 30.0246**.

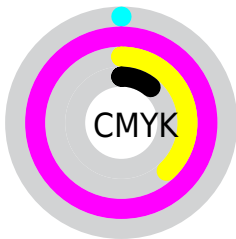
Distribution



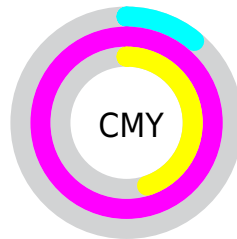
- Red (89%)
- Green (0%)
- Blue (55%)



- Red (89%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (38%)
- Black (11%)




- Cyan (11%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4122, 18.2243, 26.4095 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 36.4122, 18.2243, 26.4095 by changing the saturation by 10% instead.


 36.4122, 18.2243,
26.4095


 36.4122, 18.2243,
26.4095

322.1585,
242.1323, 298.4557


 24.9243, 11.1111,
16.9017


 68.9875, 40.4192,
54.9270

 16.1491, 6.1416,
10.0032

 90.8057, 56.2696,
74.7738


 9.7212, 2.9314,
5.2955


 116.7979, 75.8014,
98.9041

 5.2754, 1.0960,
2.3599

 147.3297, 99.3987,
127.7363

 2.4461, 0.0000,
0.7645

 182.7662,
127.4461, 161.6890

 0.8682, 0.0000,
0.0000

 223.4730,

 0.0000, 0.0000,

160.3279, 201.1808

0.0000

269.8153,
198.4285, 246.6302

■ 36.4122, 18.2243,
26.4095

■ 36.4122, 18.2243,
26.4095

■ 36.4110, 18.2239,
26.4030

■ 37.3810, 19.0940,
30.0246

■ 38.7544, 20.6899,
34.0303

■ 40.6471, 23.2397,
38.4705

■ 43.1253, 26.8741,
43.3725

■ 46.2450, 31.7032,
48.7599

■ 50.0550, 37.8234,
54.6540

■ 54.5995, 45.3211,
61.0743

■ 59.9187, 54.2754,
68.0390

■ 66.0497, 64.7592,
75.5650

Harmonies

Analogous

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



31.7146, 18.2243, 58.9856



36.4122, 18.2243, 26.4095



34.9275, 18.2243, 7.8893

Triad

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



36.4122, 18.2243, 26.4095



12.3819, 18.2243, 0.7795



9.7215, 18.2243, 75.1038

Complementary

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



36.4122, 18.2243, 26.4095



29.1918, 55.6274, 18.2249

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.



6.9241, 18.2243, 40.1378



36.4122, 18.2243, 26.4095



8.1140, 18.2243, 3.5252

Square

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



36.4122, 18.2243, 26.4095



19.4840, 18.2243, 0.4296



6.4381, 18.2243, 14.4668



15.3256, 18.2243, 97.9246

Rectangle

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



36.4122, 18.2243, 26.4095



30.7826, 18.2243, 2.8894



6.4381, 18.2243, 14.4668



8.4993, 18.2243, 63.5356

Sweetspot

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



36.4127, 18.2253, 26.4098



70.9430, 58.7733, 79.3232



17.8002, 7.5754, 73.1972



14.6236, 11.6487, 16.2024



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.



36.4127, 18.2253, 26.4098



47.3472, 23.7029, 34.0899



31.8714, 16.4088, 2.4956



14.7487, 14.5167, 16.8770



21.2936, 10.6517, 15.7069



1.6185, 0.8051, 1.3977

Inverse Universe

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



36.4127, 18.2253, 26.4098



47.3472, 23.7029, 34.0899



37.9561, 59.1331, 64.3773



14.7487, 14.5167, 16.8770



21.2936, 10.6517, 15.7069



1.6185, 0.8051, 1.3977

Previews

White Background



This preview shows how the XYZ color 36.4122, 18.2243, 26.4095 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 36.4122, 18.2243, 26.4095 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 36.4122, 18.2243, 26.4095

Background



This preview shows how black text looks on a background with the XYZ color 36.4122, 18.2243, 26.4095.



This preview shows how white text looks on a background with the XYZ color 36.4122, 18.2243,

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

36.4122, 18.2243, 26.4095

Protanopia

20.8588, 19.1523, 57.8557

Deuteranopia

19.1430, 18.8463, 23.7479



Tritanopia

32.2289, 18.5574, 5.7542

Trichromacy



Original Color

36.4122, 18.2243, 26.4095



Protanomaly

20.9693, 13.6052, 44.1687



Deuteranomaly

21.8561, 14.4053, 24.1828



Tritanomaly

33.0618, 17.7375, 10.6979

Monochromacy



Original Color

36.4122, 18.2243, 26.4095



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.9251, 8.7799, 14.0575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4122, 18.2243, 26.4095 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(227, 0, 140)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 140)  
}
```

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(227, 0, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 140) }
```

Border

The CSS property to change the border of an element to XYZ 36.4122, 18.2243, 26.4095 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(227, 0, 140) }
```


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

```
.border{ border-color:rgb(227, 0, 140) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 140);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4122, 18.2243, 26.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 140) }
```

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

```
.background{ background-color: rgb(227, 0,  
140) }
```

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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