

Converting Colors

XYZ(34.1003, 13.7145, 26.6173)

Have a look what the booklet for
XYZ(34.1003, 13.7145, 26.6173)
contains.

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Color

**XYZ(36.2465, 18.1217,
27.1786)**

Conversions

Conversions Part 1

Format	Color
Hex	E2008E
RGB	226, 0, 142
RGB Percent	89%, 0%, 56%
CMY	0.1137, 0.9998, 0.4431
CMYK	0.00, 1.00, 0.37, 0.11
HSL	322°, 100%, 44%
HSV	322°, 100%, 89%
XYZ	36.2465, 18.1217, 27.1786
YIQ	83.7620, 89.1140, 92.0740

Conversions

Conversions Part 2

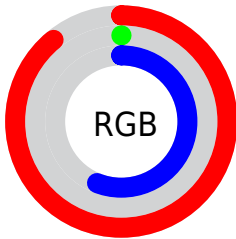
Format	Color
R_{YB}	226, 0, 142
Decimal	14811278
CIE _{Lab}	49.64, 79.64, -12.75
CIE _{LCh}	50, 80.656, 350.905
Yxy	18.1217, 0.4445, 0.2222
Android (android.graphics.Color)	4293001358 (0xFFE2008E)
YUV	83.7620, 28.7113, 124.7427
Hunter-Lab	42.5696, 77.4897, -8.0551

Details

The XYZ color **36.2465, 18.1217, 27.1786** 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 **28.7989, 55.0338, 17.5014**, and the grayscale version is **8.3130, 8.7459, 9.5243**.

A 20% lighter version of the original color is **55.2065, 33.2509, 55.7329**, and **17.4488, 8.7720, 10.8987** is the 20% darker color. If you saturate the color by 10%, you get **36.2453, 18.1213, 27.1721**, and if you desaturate by 10%, it is **37.2009, 18.9825, 30.7274**.

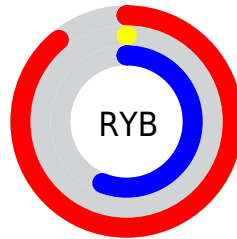
Distribution



Red (89%)

Green (0%)

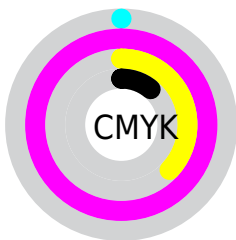
Blue (56%)



Red (89%)

Yellow (0%)

Blue (56%)

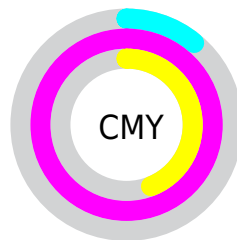


Cyan (0%)

Magenta (100%)

Yellow (37%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2465, 18.1217, 27.1786 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 36.2465, 18.1217, 27.1786 by changing the saturation by 10% instead.

 36.2465, 18.1217,
27.1786

 36.2465, 18.1217,
27.1786


321.4491,
241.5561, 302.3083


 24.7956, 11.0374,
17.4738


 68.7337, 40.2446,
56.1775


 16.0528, 6.0920,
10.4073

 90.5008, 56.0520,
76.3088


 9.6526, 2.9011,
5.5607


 116.4374, 75.5358,
100.7525

 5.2297, 1.0803,
2.5154

 146.9087, 99.0806,
129.9273

 2.4188, 0.0000,
0.8483

 182.2802,
127.0706, 164.2518

 0.8545, 0.0000,
0.0000

 222.9172,

 0.0000, 0.0000,

159.8902, 204.1444

0.0000

269.1851,
197.9239, 250.0237

■ 36.2465, 18.1217,
27.1786

■ 36.2465, 18.1217,
27.1786

■ 36.2453, 18.1213,
27.1721

■ 37.2009, 18.9825,
30.7274

■ 38.5528, 20.5607,
34.6482

■ 40.4158, 23.0819,
38.9839

■ 42.8555, 26.6754,
43.7608

■ 45.9268, 31.4501,
49.0019

■ 49.6782, 37.5012,
54.7279

■ 54.1532, 44.9143,
60.9575

■ 59.3915, 53.7675,
67.7081

■ 65.4298, 64.1329,
74.9963

Harmonies

Analogous

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



31.3714, 18.1217, 60.0784



36.2465, 18.1217, 27.1786



34.9735, 18.1217, 8.1822

Triad

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



36.2465, 18.1217, 27.1786



12.4847, 18.1217, 0.7163



9.5053, 18.1217, 73.9172

Complementary

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



36.2465, 18.1217, 27.1786



28.7989, 55.0338, 17.5014

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.



6.8031, 18.1217, 38.9361



36.2465, 18.1217, 27.1786



8.1350, 18.1217, 3.2937

Square

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



36.2465, 18.1217, 27.1786



19.6588, 18.1217, 0.4160



6.3895, 18.1217, 13.7865



14.9992, 18.1217, 97.5721

Rectangle

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



36.2465, 18.1217, 27.1786



30.9273, 18.1217, 2.9937



6.3895, 18.1217, 13.7865



8.3178, 18.1217, 62.2495

Sweetspot

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



36.2470, 18.1227, 27.1789



71.0646, 58.8220, 79.9639



17.2860, 7.3262, 72.4546



14.6526, 11.6603, 16.3551



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.



36.2470, 18.1227, 27.1789



47.6029, 23.8052, 35.4366



31.6011, 16.2644, 2.7136



14.0676, 13.8447, 16.1263



20.7372, 10.3619, 15.8135



1.4802, 0.7354, 1.3218

Inverse Universe

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



36.2470, 18.1227, 27.1789



47.6029, 23.8052, 35.4366



37.1462, 58.3728, 61.4579



14.0676, 13.8447, 16.1263



20.7372, 10.3619, 15.8135



1.4802, 0.7354, 1.3218

Previews

White Background



This preview shows how the XYZ color 36.2465, 18.1217, 27.1786 looks on a white background.

Color Contrast Check

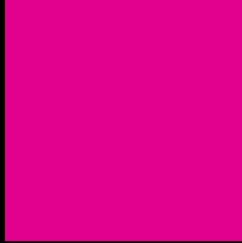
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2465, 18.1217, 27.1786 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 36.2465, 18.1217, 27.1786

Background



This preview shows how black text looks on a background with the XYZ color 36.2465, 18.1217, 27.1786.



This preview shows how white text looks on a background with the XYZ color 36.2465, 18.1217,

27.1786.

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

36.2465, 18.1217, 27.1786

Protanopia

20.7081, 18.8734, 59.0514

Deuteranopia

19.1303, 18.8241, 24.4549



Tritanopia

31.9967, 18.5060, 5.8886

Trichromacy



Original Color

36.2465, 18.1217, 27.1786



Protanomaly

20.7809, 13.3847, 45.2043



Deuteranomaly

21.7930, 14.3565, 24.9150



Tritanomaly

32.8655, 17.6710, 11.1298

Monochromacy



Original Color

36.2465, 18.1217, 27.1786



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

13.9762, 8.8004, 14.3266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2465, 18.1217, 27.1786 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(226, 0, 142)` looks like.

```
.text, #text, p{  
    color:rgb(226, 0, 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(226, 0, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 0, 142) }
```

Border

The CSS property to change the border of an element to XYZ 36.2465, 18.1217, 27.1786 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(226, 0, 142) }
```


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

```
.border{ border-color:rgb(226, 0, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 0, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 0, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 0, 142);  
box-shadow:4px 4px 4px 4px rgb(226, 0,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2465, 18.1217, 27.1786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 0, 142) }
```

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

```
.background{ background-color: rgb(226, 0,  
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](#).

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