

Converting Colors

XYZ(36.1370, 18.1124, 25.0425)

Have a look what the booklet for
XYZ(36.1370, 18.1124, 25.0425)
contains.

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Color

**XYZ(36.1225, 18.1085,
24.8840)**

Conversions

Conversions Part 1

Format	Color
Hex	E30088
RGB	227, 0, 136
RGB Percent	89%, 0%, 53%
CMY	0.1098, 0.9998, 0.4667
CMYK	0.00, 1.00, 0.40, 0.11
HSL	324°, 100%, 45%
HSV	324°, 100%, 89%
XYZ	36.1225, 18.1085, 24.8840
YIQ	83.3770, 91.6360, 90.4200

Conversions

Conversions Part 2

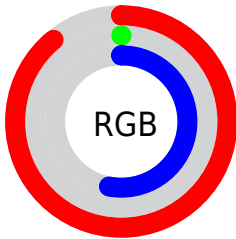
Format	Color
R_{YB}	227, 0, 136
Decimal	14876808
CIE Lab	49.63, 79.30, -9.13
CIE LCh	50, 79.820, 353.434
Yxy	18.1085, 0.4566, 0.2289
Android (android.graphics.Color)	4293066888 (0xFFE30088)
YUV	83.3770, 25.9431, 125.9574
Hunter-Lab	42.5541, 77.0520, -4.8827

Details

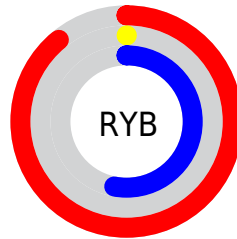
The XYZ color **36.1225, 18.1085, 24.8840** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **29.3601, 55.6946, 19.1115**, and the grayscale version is **8.2401, 8.6692, 9.4408**.

A 20% lighter version of the original color is **54.4280, 32.9395, 51.6334**, and **17.1968, 8.6712, 9.5714** is the 20% darker color. If you saturate the color by 10%, you get **36.1210, 18.1079, 24.8766**, and if you desaturate by 10%, it is **37.0987, 18.9813, 28.5379**.

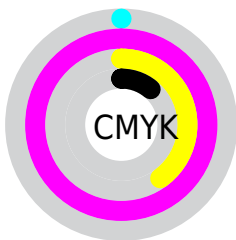
Distribution



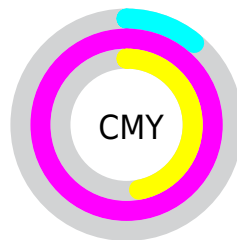
- Red (89%)
- Green (0%)
- Blue (53%)



- Red (89%)
- Yellow (0%)
- Blue (53%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1225, 18.1085, 24.8840 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 36.1225, 18.1085, 24.8840 by changing the saturation by 10% instead.


 36.1225, 18.1085,
24.8840


 36.1225, 18.1085,
24.8840


320.9176,
241.4819, 290.6889


 24.6994, 11.0279,
15.7724


 68.5437, 40.2221,
52.4308


 15.9808, 6.0856,
9.2106


 90.2725, 56.0239,
71.7030


 9.6013, 2.8972,
4.7801


 116.1673, 75.5016,
95.1993

 5.1956, 1.0783,
2.0624

 146.5933, 99.0396,
123.3380

 2.3984, 0.0000,
0.5932

 181.9160,
127.0222, 156.5378

 0.8443, 0.0000,
0.0000

 222.5007,

 0.0000, 0.0000,

159.8338, 195.2172

0.0000

268.7128,
197.8590, 239.7947

■ 36.1225, 18.1085,
24.8840

■ 36.1225, 18.1085,
24.8840

■ 36.1210, 18.1079,
24.8766

■ 37.0987, 18.9813,
28.5379

■ 38.4839, 20.5821,
32.6055

■ 40.3931, 23.1386,
37.1316

■ 42.8925, 26.7817,
42.1443

■ 46.0381, 31.6214,
47.6681

■ 49.8793, 37.7542,
53.7251

■ 54.4600, 45.2667,
60.3355

■ 59.8207, 54.2379,
67.5183

■ 65.9988, 64.7408,
75.2911

Harmonies

Analogous

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



31.7661, 18.1085, 56.4870



36.1225, 18.1085, 24.8840



34.3395, 18.1085, 7.3428

Triad

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



36.1225, 18.1085, 24.8840



12.0432, 18.1085, 0.8619



9.9089, 18.1085, 75.8053

Complementary

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



36.1225, 18.1085, 24.8840



29.3601, 55.6946, 19.1115

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.



7.0057, 18.1085, 41.4021



36.1225, 18.1085, 24.8840



7.9612, 18.1085, 3.8418

Square

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



36.1225, 18.1085, 24.8840



18.9320, 18.1085, 0.4382



6.4156, 18.1085, 15.3200



15.5986, 18.1085, 97.0074

Rectangle

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



36.1225, 18.1085, 24.8840



30.1078, 18.1085, 2.6933



6.4156, 18.1085, 15.3200



8.6512, 18.1085, 64.5679

Sweetspot

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



36.1230, 18.1095, 24.8843



70.7589, 58.6997, 78.3538



18.1633, 7.7626, 73.2140



14.5797, 11.6311, 15.9716



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.



36.1230, 18.1095, 24.8843



46.9694, 23.5518, 32.1006



31.8312, 16.3928, 2.2837



14.7376, 14.5122, 16.8188



21.1251, 10.5842, 14.8194



1.6067, 0.8004, 1.3353

Inverse Universe

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



36.1230, 18.1095, 24.8843



46.9694, 23.5518, 32.1006



38.4054, 59.3127, 66.7430



14.7376, 14.5122, 16.8188



21.1251, 10.5842, 14.8194



1.6067, 0.8004, 1.3353

Previews

White Background



This preview shows how the XYZ color 36.1225, 18.1085, 24.8840 looks on a white background.

Color Contrast Check

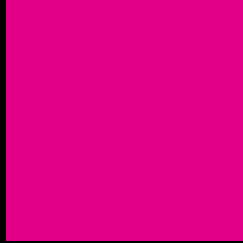
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1225, 18.1085, 24.8840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

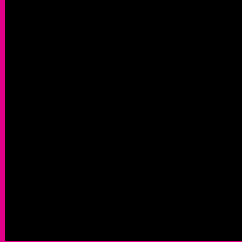
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1225, 18.1085, 24.8840

Background



This preview shows how black text looks on a background with the XYZ color 36.1225, 18.1085, 24.8840.



This preview shows how white text looks on a background with the XYZ color 36.1225, 18.1085,

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

36.1225, 18.1085, 24.8840

Protanopia

20.3314, 18.7866, 54.1843

Deuteranopia

18.9134, 18.5863, 22.3293



Tritanopia

32.1330, 18.4438, 5.4808

Trichromacy



Original Color

36.1225, 18.1085, 24.8840



Protanomaly

20.7362, 13.4425, 41.5461



Deuteranomaly

21.7879, 14.4018, 22.7506



Tritanomaly

32.9127, 17.6314, 10.0560

Monochromacy



Original Color

36.1225, 18.1085, 24.8840



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6630, 8.6564, 13.5211

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1225, 18.1085, 24.8840 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, 136)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 136) }
```

Border

The CSS property to change the border of an element to XYZ 36.1225, 18.1085, 24.8840 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, 136) }
```


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

```
.border{ border-color:rgb(227, 0, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 136);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1225, 18.1085, 24.8840 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, 136) }
```

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

```
.background{ background-color: rgb(227, 0,  
136) }
```

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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