

Converting Colors

XYZ(37.4012, 18.5259, 35.8659)

Have a look what the booklet for
XYZ(37.4012, 18.5259, 35.8659)
contains.

XYZ(37.2621, 18.4559, 35.7808)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2621, 18.4559,
35.7808)**

Conversions

Conversions Part 1

Format	Color
Hex	E000A2
RGB	224, 0, 162
RGB Percent	88%, 0%, 64%
CMY	0.1216, 0.9998, 0.3647
CMYK	0.00, 1.00, 0.28, 0.12
HSL	317°, 100%, 44%
HSV	317°, 100%, 88%
XYZ	37.2621, 18.4559, 35.7808
YIQ	85.4440, 81.5020, 97.8700

Conversions

Conversions Part 2

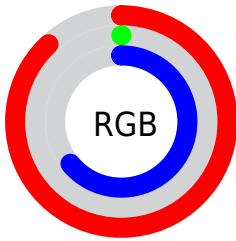
Format	Color
R_{YB}	224, 0, 162
Decimal	14680226
CIE _{Lab}	50.04, 81.27, -24.15
CIE _{LCh}	50, 84.779, 343.453
Yxy	18.4559, 0.4072, 0.2017
Android (android.graphics.Color)	4292870306 (0xFFE000A2)
YUV	85.4440, 37.7421, 121.5136
Hunter-Lab	42.9603, 79.6433, -19.3092

Details

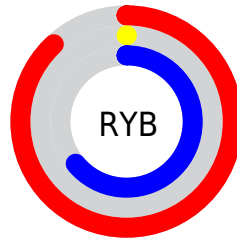
The XYZ color **37.2621, 18.4559, 35.7808** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.5269, 53.6601, 13.4699**, and the grayscale version is **8.6437, 9.0939, 9.9032**.

A 20% lighter version of the original color is **57.8566, 34.4542, 69.2466**, and **17.9187, 8.9123, 15.5277** is the 20% darker color. If you saturate the color by 10%, you get **37.2613, 18.4556, 35.7757**, and if you desaturate by 10%, it is **38.1227, 19.2729, 38.8550**.

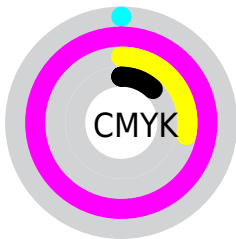
Distribution



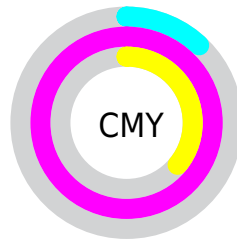
- Red (88%)
- Green (0%)
- Blue (64%)



- Red (88%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (28%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2621, 18.4559, 35.7808 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 37.2621, 18.4559, 35.7808 by changing the saturation by 10% instead.

 37.2621, 18.4559,
35.7808


 37.2621, 18.4559,
35.7808


325.7797,
243.4283, 343.0098


 25.5851, 11.2778,
23.9766


 70.2869, 40.8126,
69.8588


 16.6446, 6.2540,
15.1042


 92.3655, 56.7601,
92.9697


 10.0751, 3.0001,
8.7451


 118.6419, 76.3994,
120.6866

 5.5114, 1.1318,
4.4808

 149.4815,
100.1150, 153.4281

 2.5882, 0.0049,
1.8926

 185.2498,
128.2913, 191.6126

 0.9399, 0.0000,
0.4880

 226.3120,

 0.0000, 0.0000,

161.3127, 235.6587

0.0000

273.0336,
199.5636, 285.9849

■ 37.2621, 18.4559,
35.7808

■ 37.2621, 18.4559,
35.7808

■ 37.2613, 18.4556,
35.7757

■ 38.1227, 19.2729,
38.8550

■ 39.3523, 20.7837,
42.1880

■ 41.0620, 23.2103,
45.8190

■ 43.3153, 26.6788,
49.7708

■ 46.1656, 31.2953,
54.0630

■ 49.6597, 37.1529,
58.7129

■ 53.8395, 44.3351,
63.7362

■ 58.7435, 52.9181,
69.1475

■ 64.4072, 62.9723,
74.9601

Harmonies

Analogous

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



30.6791, 18.4559, 73.4625



37.2621, 18.4559, 35.7808



37.6252, 18.4559, 11.3574

Triad

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



37.2621, 18.4559, 35.7808



14.1424, 18.4559, 0.2678



8.4470, 18.4559, 69.4702

Complementary

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



37.2621, 18.4559, 35.7808



27.5269, 53.6601, 13.4699

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.



6.2880, 18.4559, 32.4508



37.2621, 18.4559, 35.7808



8.8200, 18.4559, 1.9499

Square

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



37.2621, 18.4559, 35.7808



22.3946, 18.4559, 0.3506



6.3991, 18.4559, 9.8311



13.4461, 18.4559, 101.1336

Rectangle

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



37.2621, 18.4559, 35.7808



34.1361, 18.4559, 4.1183



6.3991, 18.4559, 9.8311



7.4457, 18.4559, 56.3823

Sweetspot

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



37.2627, 18.4569, 35.7811



72.0858, 59.2304, 85.3412



15.3043, 6.3360, 70.9378



14.8969, 11.7580, 17.6417



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.



37.2627, 18.4569, 35.7811



49.9344, 24.7378, 47.7143



31.3677, 16.0989, 4.7382



14.1247, 13.8675, 16.4268



21.7397, 10.7629, 21.0926



1.5442, 0.7609, 1.6585

Inverse Universe

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



37.2627, 18.4569, 35.7811



49.9344, 24.7378, 47.7143



34.0781, 56.2806, 47.9677



14.1247, 13.8675, 16.4268



21.7397, 10.7629, 21.0926



1.5442, 0.7609, 1.6585

Previews

White Background



This preview shows how the XYZ color 37.2621, 18.4559, 35.7808 looks on a white background.

Color Contrast Check

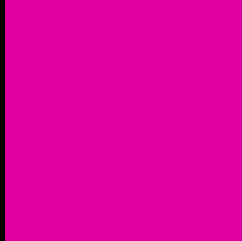
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2621, 18.4559, 35.7808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

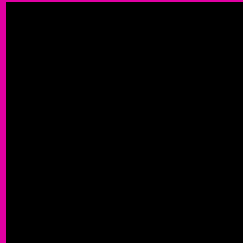
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2621, 18.4559, 35.7808

Background



This preview shows how black text looks on a background with the XYZ color 37.2621, 18.4559, 35.7808.



This preview shows how white text looks on a background with the XYZ color 37.2621, 18.4559,

35.7808.

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

37.2621, 18.4559, 35.7808

Protanopia

22.4724, 19.3620, 78.1541

Deuteranopia

19.4005, 18.9731, 31.9178



Tritanopia

31.4618, 18.8238, 7.2853

Trichromacy



Original Color

37.2621, 18.4559, 35.7808



Protanomaly

21.0606, 13.2053, 59.8314



Deuteranomaly

22.1428, 14.4666, 32.6356



Tritanomaly

32.7064, 17.7608, 14.2747

Monochromacy



Original Color

37.2621, 18.4559, 35.7808



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.4531, 9.0648, 16.6107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2621, 18.4559, 35.7808 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(224, 0, 162)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 162)  
}
```

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(224, 0, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 162) }
```

Border

The CSS property to change the border of an element to XYZ 37.2621, 18.4559, 35.7808 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(224, 0, 162) }
```


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

```
.border{ border-color:rgb(224, 0, 162) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 162);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2621, 18.4559, 35.7808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 162) }
```

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

```
.background{ background-color: rgb(224, 0,  
162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor