

Converting Colors

XYZ(37.6990, 18.6450, 37.4337)

Have a look what the booklet for
XYZ(37.6990, 18.6450, 37.4337)
contains.

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Color

**XYZ(37.5320, 18.5639,
37.2023)**

Conversions

Conversions Part 1

Format	Color
Hex	E000A5
RGB	224, 0, 165
RGB Percent	88%, 0%, 65%
CMY	0.1216, 0.9998, 0.3529
CMYK	0.00, 1.00, 0.26, 0.12
HSL	316°, 100%, 44%
HSV	316°, 100%, 88%
XYZ	37.5320, 18.5639, 37.2023
YIQ	85.7860, 80.5390, 98.8030

Conversions

Conversions Part 2

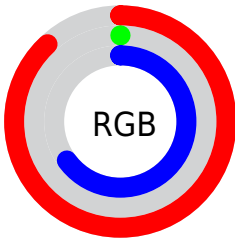
Format	Color
R_{YB}	224, 0, 165
Decimal	14680229
CIE _{Lab}	50.17, 81.60, -25.73
CIE _{LCh}	50, 85.555, 342.500
Yxy	18.5639, 0.4023, 0.1990
Android (android.graphics.Color)	4292870309 (0xFFE000A5)
YUV	85.7860, 39.0525, 121.2137
Hunter-Lab	43.0858, 80.0908, -21.0336

Details

The XYZ color **37.5320, 18.5639, 37.2023** 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 **27.4468, 53.6280, 13.0482**, and the grayscale version is **8.7133, 9.1671, 9.9829**.

A 20% lighter version of the original color is **58.2505, 34.6117, 71.3207**, and **18.0849, 8.9788, 16.4027** is the 20% darker color. If you saturate the color by 10%, you get **37.5311, 18.5636, 37.1970**, and if you desaturate by 10%, it is **38.3773, 19.3748, 40.1958**.

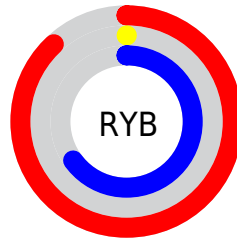
Distribution



Red (88%)

Green (0%)

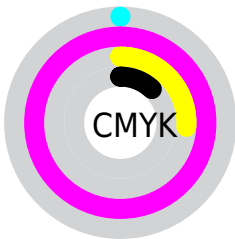
Blue (65%)



Red (88%)

Yellow (0%)

Blue (65%)

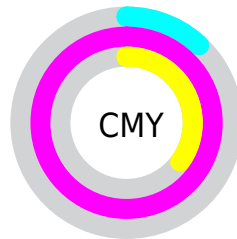


Cyan (0%)

Magenta (100%)

Yellow (26%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5320, 18.5639, 37.2023 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 37.5320, 18.5639, 37.2023 by changing the saturation by 10% instead.

 37.5320, 18.5639,
37.2023


 37.5320, 18.5639,
37.2023


326.9238,
244.0305, 349.3806


 25.7952, 11.3556,
25.0671


 70.6988, 40.9959,
72.0736


 16.8024, 6.3065,
15.9076


 92.8595, 56.9883,
95.6469


 10.1881, 3.0324,
9.3052


 119.2256, 76.6776,
123.8699

 5.5871, 1.1487,
4.8412

 150.1624,
100.4482, 157.1612

 2.6339, 0.0192,
2.0973

 186.0352,
128.6843, 195.9394

 0.9633, 0.0000,
0.6142

 227.2095,

 0.0000, 0.0000,

161.7705, 240.6230

0.0000

274.0506,
200.0911, 291.6306

■ 37.5320, 18.5639,
37.2023

■ 37.5320, 18.5639,
37.2023

■ 37.5311, 18.5636,
37.1970

■ 38.3773, 19.3748,
40.1958

■ 39.5891, 20.8786,
43.4352

■ 41.2786, 23.2972,
46.9594

■ 43.5092, 26.7566,
50.7909

■ 46.3341, 31.3630,
54.9490

■ 49.8001, 37.2095,
59.4508

■ 53.9491, 44.3795,
64.3117

■ 58.8196, 52.9492,
69.5460

■ 64.4469, 62.9890,
75.1669

Harmonies

Analogous

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



30.6916, 18.5639, 75.6903



37.5320, 18.5639, 37.2023



38.1282, 18.5639, 11.8822

Triad

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



37.5320, 18.5639, 37.2023



14.4263, 18.5639, 0.2082



8.3362, 18.5639, 69.1245

Complementary

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



37.5320, 18.5639, 37.2023



27.4468, 53.6280, 13.0482

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.



6.2395, 18.5639, 31.7382



37.5320, 18.5639, 37.2023



8.9447, 18.5639, 1.8068

Square

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



37.5320, 18.5639, 37.2023



22.8626, 18.5639, 0.3433



6.4206, 18.5639, 9.3906



13.2876, 18.5639, 101.9894

Rectangle

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



37.5320, 18.5639, 37.2023



34.7088, 18.5639, 4.3028



6.4206, 18.5639, 9.3906



7.3554, 18.5639, 55.8105

Sweetspot

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



37.5326, 18.5649, 37.2026



72.2333, 59.2894, 86.1180



15.0878, 6.2245, 70.9275



14.9323, 11.7722, 17.8282



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.



37.5326, 18.5649, 37.2026



50.2979, 24.8832, 49.6283



31.4557, 16.1341, 5.2018



14.1328, 13.8707, 16.4695



21.8955, 10.8252, 21.9130



1.5539, 0.7648, 1.7098

Inverse Universe

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



37.5326, 18.5649, 37.2026



50.2979, 24.8832, 49.6283



33.7252, 56.1394, 46.1097



14.1328, 13.8707, 16.4695



21.8955, 10.8252, 21.9130



1.5539, 0.7648, 1.7098

Previews

White Background



This preview shows how the XYZ color 37.5320, 18.5639, 37.2023 looks on a white background.

Color Contrast Check

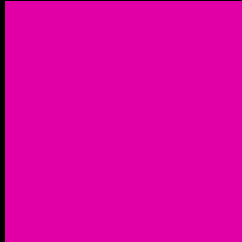
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.5320, 18.5639, 37.2023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

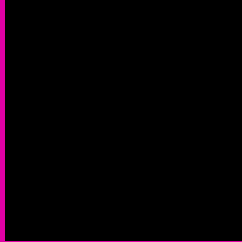
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5320, 18.5639, 37.2023

Background



This preview shows how black text looks on a background with the XYZ color 37.5320, 18.5639, 37.2023.



This preview shows how white text looks on a background with the XYZ color 37.5320, 18.5639,

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

37.5320, 18.5639, 37.2023

Protanopia

22.7729, 19.4508, 81.1514

Deuteranopia

19.4998, 19.1716, 33.2446



Tritanopia

31.5490, 18.9497, 7.4637

Trichromacy



Original Color

37.5320, 18.5639, 37.2023



Protanomaly

21.1519, 13.1955, 62.4049



Deuteranomaly

22.2736, 14.6061, 33.9931



Tritanomaly

32.7563, 17.7808, 14.5375

Monochromacy



Original Color

37.5320, 18.5639, 37.2023



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.6140, 9.2044, 17.2260

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5320, 18.5639, 37.2023 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 165) }
```

Border

The CSS property to change the border of an element to XYZ 37.5320, 18.5639, 37.2023 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, 165) }
```


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

```
.border{ border-color:rgb(224, 0, 165) }
```

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, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 165);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5320, 18.5639, 37.2023 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, 165) }
```

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

```
.background{ background-color: rgb(224, 0,  
165) }
```

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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