

Converting Colors

XYZ(37.0980, 22.4440, 32.9972)

Have a look what the booklet for
XYZ(37.0980, 22.4440, 32.9972)
contains.

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Color

**XYZ(37.1724, 22.5336,
32.9621)**

Conversions

Conversions Part 1

Format	Color
Hex	D94E9A
RGB	217, 78, 154
RGB Percent	85%, 31%, 60%
CMY	0.1490, 0.6941, 0.3961
CMYK	0.00, 0.64, 0.29, 0.15
HSL	327°, 65%, 58%
HSV	327°, 64%, 85%
XYZ	37.1724, 22.5336, 32.9621
YIQ	128.2250, 58.4480, 53.1040

Conversions

Conversions Part 2

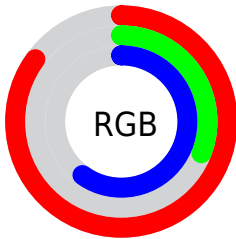
Format	Color
R_{YB}	217, 78, 154
Decimal	14241434
CIE _{Lab}	54.59, 61.39, -12.59
CIE _{LCh}	55, 62.664, 348.413
Yxy	22.5336, 0.4011, 0.2432
Android (android.graphics.Color)	4292431514 (0xFFD94E9A)
YUV	128.2250, 12.7071, 77.8557
Hunter-Lab	47.4696, 56.7078, -7.9413

Details

The XYZ color **37.1724, 22.5336, 32.9621** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **32.7637, 53.1692, 33.7381**, and the grayscale version is **20.5400, 21.6097, 23.5330**.

A 20% lighter version of the original color is **61.2891, 43.1420, 64.7715**, and **16.5596, 8.2701, 13.5555** is the 20% darker color. If you saturate the color by 10%, you get **35.0911, 19.6287, 28.3909**, and if you desaturate by 10%, it is **39.8306, 26.4846, 38.0572**.

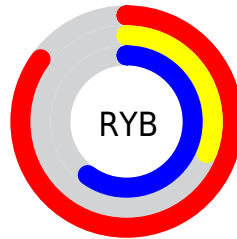
Distribution



Red (85%)

Green (31%)

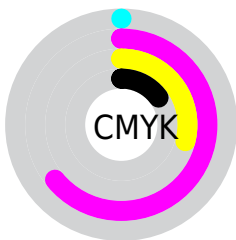
Blue (60%)



Red (85%)

Yellow (31%)

Blue (60%)

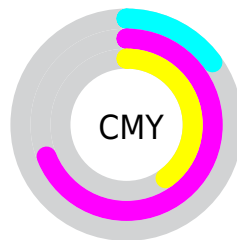


Cyan (0%)

Magenta (64%)

Yellow (29%)

Black (15%)



Cyan (15%)


Magenta (69%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1724, 22.5336, 32.9621 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 37.1724, 22.5336, 32.9621 by changing the saturation by 10% instead.

 37.1724, 22.5336,
32.9621

 37.1724, 22.5336,
32.9621


325.3989,
265.3203, 330.1057

 25.5153, 14.2495,
21.8265


 70.1500, 47.6264,
65.4317


 16.5921, 8.2944,
13.5324


 92.2011, 65.2038,
87.6028


 10.0376, 4.2839,
7.6612


 118.4477, 86.6478,
114.2895

 5.4864, 1.8336,
3.7943

 149.2550,
112.3428, 145.9103

 2.5730, 0.5080,
1.5132

 184.9884,
142.6732, 182.8838

 0.9322, 0.0000,
0.2277

226.0133,

 0.0000, 0.0000,

178.0233, 225.6285

0.0000

272.6950,
218.7775, 274.5629

■ 37.1724, 22.5336,
32.9621

■ 37.1724, 22.5336,
32.9621

■ 35.0911, 19.6287,
28.3909

■ 39.8306, 26.4846,
38.0572

■ 33.5310, 17.6613,
24.3165

■ 43.1104, 31.5691,
43.6983

■ 32.4275, 16.5050,
20.7094

■ 47.0542, 37.8692,
49.9068

■ 31.9237, 16.0751,
18.7607

■ 51.6999, 45.4584,
56.7027

■ 57.0823, 54.4044,
64.1046

■ 63.2341, 64.7699,
72.1299

■ 70.1857, 76.6139,
80.7954

■ 77.9660, 89.9920,
90.1172

■ 80.4809, 92.7140,
98.0701

Harmonies

Analogous

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



32.9182, 22.5336, 59.2678



37.1724, 22.5336, 32.9621



36.5866, 22.5336, 14.4058

Triad

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



37.1724, 22.5336, 32.9621



17.5037, 22.5336, 3.2828



13.7799, 22.5336, 65.1993

Complementary

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



37.1724, 22.5336, 32.9621



32.7637, 53.1692, 33.7381

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.



11.1555, 22.5336, 38.5583



37.1724, 22.5336, 32.9621



12.9662, 22.5336, 6.9974

Square

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



37.1724, 22.5336, 32.9621



24.1870, 22.5336, 2.9867



10.8936, 22.5336, 17.6830



18.8679, 22.5336, 83.5367

Rectangle

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



37.1724, 22.5336, 32.9621



33.5498, 22.5336, 7.7177



10.8936, 22.5336, 17.6830



12.6319, 22.5336, 56.4190

Sweetspot

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



37.1731, 22.5348, 32.9625



78.1576, 71.5534, 86.8123



26.1583, 16.0834, 67.3715



16.2603, 14.5383, 17.9309



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.



37.1731, 22.5348, 32.9625



49.6692, 27.1053, 38.6915



32.9783, 20.8569, 10.8731



13.3524, 13.1700, 15.1169



19.3789, 9.7526, 11.6410



1.2987, 0.6491, 0.9819

Inverse Universe

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



37.1731, 22.5348, 32.9625



49.6692, 27.1053, 38.6915



39.5946, 55.9015, 69.7090



13.3524, 13.1700, 15.1169



19.3789, 9.7526, 11.6410



1.2987, 0.6491, 0.9819

Previews

White Background



This preview shows how the XYZ color 37.1724, 22.5336, 32.9621 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 37.1724, 22.5336, 32.9621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

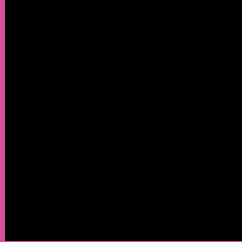
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1724, 22.5336, 32.9621

Background



This preview shows how black text looks on a background with the XYZ color 37.1724, 22.5336, 32.9621.



This preview shows how white text looks on a background with the XYZ color 37.1724, 22.5336,

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

37.1724, 22.5336, 32.9621

Protanopia

23.7001, 22.7977, 51.8665

Deuteranopia

23.3022, 22.8633, 30.7887



Tritanopia

33.1831, 22.5332, 14.1557

Trichromacy



Original Color

37.1724, 22.5336, 32.9621

Protanomaly

26.0894, 20.8102, 44.2367

Deuteranomaly

26.8068, 21.4609, 31.5836

Tritanomaly

34.4098, 22.4205, 19.6535

Monochromacy



Original Color

37.1724, 22.5336, 32.9621

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.5885, 20.4316, 26.3146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1724, 22.5336, 32.9621 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(217, 78, 154)` looks like.

```
.text, #text, p{  
    color:rgb(217, 78, 154)  
}
```

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(217, 78, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 78, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.1724, 22.5336, 32.9621 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(217, 78, 154) }
```


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

```
.border{ border-color:rgb(217, 78, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 78, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 78, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 78, 154);  
box-shadow:4px 4px 4px 4px rgb(217, 78,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1724, 22.5336, 32.9621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 78, 154) }
```

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

```
.background{ background-color: rgb(217, 78,  
154) }
```

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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