

Converting Colors

XYZ(37.4636, 21.0760, 35.9994)

Have a look what the booklet for
XYZ(37.4636, 21.0760, 35.9994)
contains.

| | |
|--|----|
| XYZ(37.3152, 20.9708, 35.7992) | 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(37.3152, 20.9708,
35.7992)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DB3DA1 |
| RGB | 219, 61, 161 |
| RGB Percent | 86%, 24%, 63% |
| CMY | 0.1412, 0.7607, 0.3686 |
| CMYK | 0.00, 0.72, 0.26, 0.14 |
| HSL | 322°, 69%, 55% |
| HSV | 322°, 72%, 86% |
| XYZ | 37.3152, 20.9708, 35.7992 |
| YIQ | 119.6420, 62.0680, 64.5960 |

Conversions

Conversions Part 2

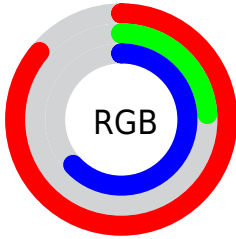
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 219, 61, 161 |
| Decimal | 14368161 |
| CIE Lab | 52.92, 69.06, -19.22 |
| CIE LCh | 53, 71.682, 344.451 |
| Yxy | 20.9708, 0.3966, 0.2229 |
| Android (android.graphics.Color) | 4292558241 (0xFFDB3DA1) |
| YUV | 119.6420, 20.3895, 87.1370 |
| Hunter-Lab | 45.7939, 65.3116, -14.2940 |

Details

The XYZ color **37.3152, 20.9708, 35.7992** 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 **30.5871, 52.9878, 26.0715**, and the grayscale version is **17.6631, 18.5829, 20.2368**.

A 20% lighter version of the original color is **60.4720, 39.8926, 69.4786**, and **17.2575, 8.5777, 15.2141** is the 20% darker color. If you saturate the color by 10%, you get **35.6892, 18.8170, 31.8709**, and if you desaturate by 10%, it is **39.4651, 24.0990, 40.1274**.

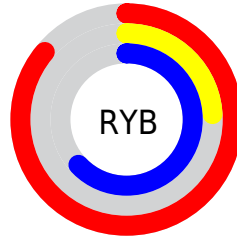
Distribution



Red (86%)

Green (24%)

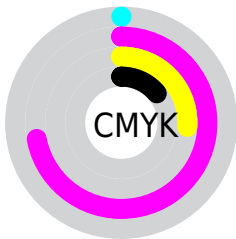
Blue (63%)



Red (86%)

Yellow (24%)

Blue (63%)

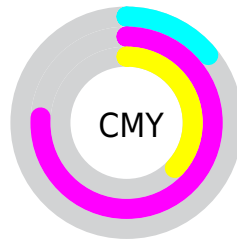


Cyan (0%)

Magenta (72%)

Yellow (26%)

Black (14%)



Cyan (14%)


Magenta (76%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3152, 20.9708, 35.7992 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 37.3152, 20.9708, 35.7992 by changing the saturation by 10% instead.

 37.3152, 20.9708,
35.7992


 37.3152, 20.9708,
35.7992

326.0050,
257.1233, 343.0929

 25.6264, 13.1027,
23.9907

 70.3680, 45.0389,
69.8876


 16.6756, 7.4993,
15.1146


 92.4627, 62.0077,
93.0045


 10.0973, 3.7763,
8.7523


 118.7568, 82.7788,
120.7280

 5.5263, 1.5492,
4.4854

 149.6156,
107.7367, 153.4766

 2.5971, 0.3230,
1.8952

 185.4045,
137.2657, 191.6689

 0.9445, 0.0000,
0.4897

226.4888,

 0.0000, 0.0000,

171.7501, 235.7233

0.0000

273.2338,
211.5746, 286.0585

■ 37.3152, 20.9708,
35.7992

■ 37.3152, 20.9708,
35.7992

■ 35.6892, 18.8170,
31.8709

■ 39.4651, 24.0990,
40.1274

■ 34.5220, 17.5095,
28.3162


■ 42.1895, 28.3021,
44.8759


■ 33.8448, 16.9126,
25.7549


■ 45.5351, 33.6719,
50.0645

■ 49.5428, 40.2892,
55.7107

■ 54.2501, 48.2276,
61.8308

 59.6916, 57.5551,
68.4399

 65.8993, 68.3347,
75.5524

 72.9036, 80.6258,
83.1819

 79.7327, 92.4838,
91.0080

Harmonies

Analogous

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



31.8405, 20.9708, 66.8600



37.3152, 20.9708, 35.7992



37.4241, 20.9708, 13.9959

Triad

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



37.3152, 20.9708, 35.7992



16.5438, 20.9708, 1.6417



11.3042, 20.9708, 65.7199

Complementary

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



37.3152, 20.9708, 35.7992



30.5871, 52.9878, 26.0715

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.



8.9702, 20.9708, 34.7763



37.3152, 20.9708, 35.7992



11.4388, 20.9708, 4.2144

Square

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



37.3152, 20.9708, 35.7992



24.0557, 20.9708, 1.6774



9.0123, 20.9708, 13.4509



16.3089, 20.9708, 90.2654

Rectangle

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



37.3152, 20.9708, 35.7992



34.3552, 20.9708, 6.5269



9.0123, 20.9708, 13.4509



10.2442, 20.9708, 55.0957

Sweetspot

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



37.3159, 20.9719, 35.7996



76.5500, 68.0247, 87.2428



22.0550, 12.3707, 68.2434



15.9745, 13.8637, 18.1535



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.



37.3159, 20.9719, 35.7996



49.3848, 25.3948, 42.1168



32.4087, 19.0090, 9.9587



13.4010, 13.1895, 15.3731



20.1227, 10.0501, 15.5579



1.3446, 0.6675, 1.2236

Inverse Universe

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



37.3159, 20.9719, 35.7996



49.3848, 25.3948, 42.1168



37.4422, 55.7299, 62.1703



13.4010, 13.1895, 15.3731



20.1227, 10.0501, 15.5579



1.3446, 0.6675, 1.2236

Previews

White Background



This preview shows how the XYZ color 37.3152, 20.9708, 35.7992 looks on a white background.

Color Contrast Check

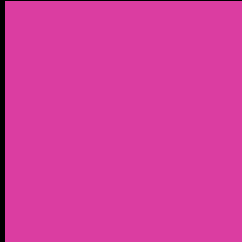
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3152, 20.9708, 35.7992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

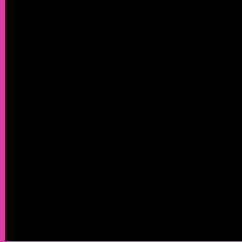
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3152, 20.9708, 35.7992

Background



This preview shows how black text looks on a background with the XYZ color 37.3152, 20.9708, 35.7992.



This preview shows how white text looks on a background with the XYZ color 37.3152, 20.9708,

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

37.3152, 20.9708, 35.7992

Protanopia

23.1070, 21.2965, 62.5673

Deuteranopia

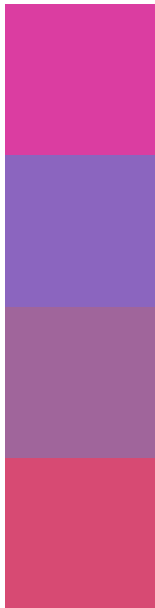
21.6275, 21.1943, 32.6568



Tritanopia

32.2193, 20.8853, 11.5656

Trichromacy



Original Color

37.3152, 20.9708, 35.7992

Protanomaly

24.7051, 18.5579, 51.5701

Deuteranomaly

25.0673, 19.1475, 33.3850

Tritanomaly

33.5676, 20.5824, 18.4233

Monochromacy



Original Color

37.3152, 20.9708, 35.7992

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

22.5453, 17.7409, 25.1577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3152, 20.9708, 35.7992 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(219, 61, 161)` looks like.

```
.text, #text, p{  
    color:rgb(219, 61, 161)  
}
```

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(219, 61, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 61, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.3152, 20.9708, 35.7992 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(219, 61, 161) }
```


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

```
.border{ border-color:rgb(219, 61, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 61, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 61, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 61, 161);  
box-shadow:4px 4px 4px 4px rgb(219, 61,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3152, 20.9708, 35.7992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 61, 161) }
```

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

```
.background{ background-color: rgb(219, 61,  
161) }
```

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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