

Converting Colors

XYZ(37.0167, 29.2481, 52.4904)

Have a look what the booklet for
XYZ(37.0167, 29.2481, 52.4904)
contains.

XYZ(37.1333, 29.3356, 52.4204)	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(37.1333, 29.3356,
52.4204)**

Conversions

Conversions Part 1

Format	Color
Hex	BA7FBE
RGB	186, 127, 190
RGB Percent	73%, 50%, 75%
CMY	0.2706, 0.5019, 0.2549
CMYK	0.02, 0.33, 0.00, 0.25
HSL	296°, 33%, 62%
HSV	296°, 33%, 75%
XYZ	37.1333, 29.3356, 52.4204
YIQ	151.8230, 14.9410, 32.1010

Conversions

Conversions Part 2

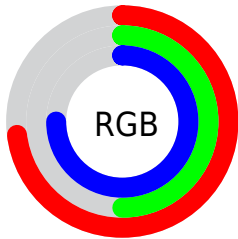
Format	Color
R_{YB}	186, 127, 190
Decimal	12222398
CIE _{Lab}	61.08, 33.29, -23.86
CIE _{LCh}	61, 40.960, 324.372
Yxy	29.3356, 0.3123, 0.2467
Android (android.graphics.Color)	4290412478 (0xFFBA7FBE)
YUV	151.8230, 18.8213, 29.9732
Hunter-Lab	54.1623, 27.5942, -19.4695

Details

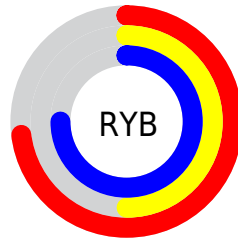
The XYZ color **37.1333, 29.3356, 52.4204** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.6054, 43.1853, 26.7500**, and the grayscale version is **29.6866, 31.2326, 34.0123**.

A 20% lighter version of the original color is **70.1206, 58.7563, 94.8341**, and **16.5441, 11.8520, 24.7082** is the 20% darker color. If you saturate the color by 10%, you get **34.6155, 24.7326, 51.6651**, and if you desaturate by 10%, it is **40.1182, 34.8679, 53.3313**.

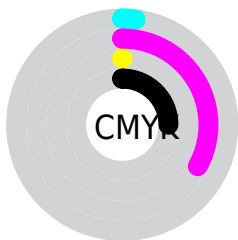
Distribution



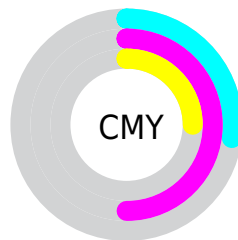
- Red (73%)
- Green (50%)
- Blue (75%)



- Red (73%)
- Yellow (50%)
- Blue (75%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)





- Cyan (27%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1333, 29.3356, 52.4204 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 37.1333, 29.3356, 52.4204 by changing the saturation by 10% instead.


 37.1333, 29.3356,
52.4204


 37.1333, 29.3356,
52.4204

325.2328,
298.7951, 413.0605

 25.4849, 19.3348,
36.9557

 70.0903, 58.6099,
95.1838

 16.5693, 11.9125,
24.8777

 92.1295, 78.6522,
123.3197

 10.0213, 6.6841,
15.7678


 118.3630,
102.8104, 156.5163

 5.4755, 3.2653,
9.2074

149.1562,
131.4691, 195.1923

 2.5664, 1.2718,
4.7780

184.8744,
165.0125, 239.7662

 0.9289, 0.1192,
2.0612

225.8830,

 0.0000, 0.0000,

203.8250, 290.6565

0.5925

272.5474,
248.2911, 348.2817

■ 0.0000, 0.0000,
0.0000

■ 37.1333, 29.3356,
52.4204

■ 37.1333, 29.3356,
52.4204

■ 34.6155, 24.7326,
51.6651

■ 40.1182, 34.8679,
53.3313

■ 32.5358, 21.0028,
51.0548

■ 43.5914, 41.3737,
54.4040

■ 30.8665, 18.0902,
50.5806


■ 47.5762, 48.8990,
55.6465


■ 29.5756, 15.9308,
50.2318

■ 52.0936, 57.4858,
57.0659

■ 28.6262, 14.4506,
49.9961

■ 57.1635, 67.1736,
58.6686


 27.9740, 13.5612,
49.8588

 62.8044, 78.0002,
60.4610

 27.6400, 13.1753,
49.8019

 67.4170, 86.7661,
61.9099

 67.7288, 86.9269,
61.9245

 68.0432, 87.0889,
61.9392

Harmonies

Analogous

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



32.3586, 29.3356, 67.1052



37.1333, 29.3356, 52.4204



39.4566, 29.3356, 34.9263

Triad

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



37.1333, 29.3356, 52.4204



28.9062, 29.3356, 10.6425



19.5042, 29.3356, 45.7458

Complementary

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



37.1333, 29.3356, 52.4204



31.6054, 43.1853, 26.7500

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.



18.8271, 29.3356, 29.1318



37.1333, 29.3356, 52.4204



23.8397, 29.3356, 11.8845

Square

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



37.1333, 29.3356, 52.4204



34.3319, 29.3356, 13.4466



20.3120, 29.3356, 17.6407



22.2963, 29.3356, 62.4654

Rectangle

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



37.1333, 29.3356, 52.4204



39.1135, 29.3356, 25.1567



20.3120, 29.3356, 17.6407



19.0380, 29.3356, 39.8481

Sweetspot

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



37.1342, 29.3369, 52.4210



81.0562, 78.8599, 99.2285



26.1912, 24.5176, 52.0676



17.5816, 16.9067, 21.7220



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.1342, 29.3369, 52.4210



63.7958, 46.7585, 93.9420



35.4096, 28.7608, 38.1958



9.8685, 9.6646, 12.0175



18.4041, 8.7737, 33.1164



0.7391, 0.3531, 1.2980

Inverse Universe

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



32.9224, 27.7660, 25.0984



55.0262, 43.5027, 36.3715



33.0247, 43.6828, 37.3953



9.5541, 9.5459, 10.0408



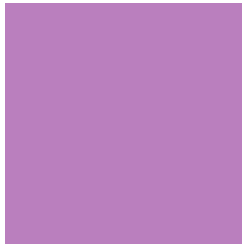
14.1752, 7.3012, 0.9504



0.5637, 0.2894, 0.0819

Previews

White Background



This preview shows how the XYZ color 37.1333, 29.3356, 52.4204 looks on a white background.

Color Contrast Check

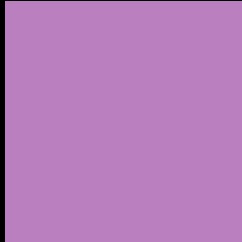
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.1333, 29.3356, 52.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

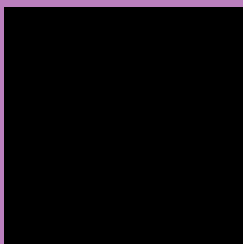
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.1333, 29.3356, 52.4204

Background



This preview shows how black text looks on a background with the XYZ color 37.1333, 29.3356, 52.4204.



This preview shows how white text looks on a background with the XYZ color 37.1333, 29.3356,

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

37.1333, 29.3356, 52.4204

Protanopia

30.3839, 29.6632, 61.2509

Deuteranopia

30.2504, 29.5894, 51.1307



Tritanopia

32.8149, 29.3869, 31.1368

Trichromacy



Original Color

37.1333, 29.3356, 52.4204

Protanomaly

32.1191, 29.0728, 57.9516

Deuteranomaly

32.2661, 29.0769, 51.4887

Tritanomaly

34.2005, 29.3288, 38.0409

Monochromacy



Original Color

37.1333, 29.3356, 52.4204

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.0152, 30.2906, 40.2357

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1333, 29.3356, 52.4204 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(186, 127, 190)` looks like.

```
.text, #text, p{  
    color:rgb(186, 127, 190)  
}
```

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(186, 127, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 127, 190) }
```

Border

The CSS property to change the border of an element to XYZ 37.1333, 29.3356, 52.4204 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(186, 127, 190) }
```


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

```
.border{ border-color:rgb(186, 127, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 127, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 127, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 127, 190);  
box-shadow:4px 4px 4px 4px rgb(186, 127,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1333, 29.3356, 52.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 127, 190) }
```

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

```
.background{ background-color: rgb(186,  
127, 190) }
```

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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