

Converting Colors

XYZ(47.5881, 37.2166, 56.7407)

Have a look what the booklet for
XYZ(47.5881, 37.2166, 56.7407)
contains.

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Color

**XYZ(47.6608, 37.3406,
56.9200)**

Conversions

Conversions Part 1

Format	Color
Hex	D88CC4
RGB	216, 140, 196
RGB Percent	85%, 55%, 77%
CMY	0.1529, 0.4510, 0.2314
CMYK	0.00, 0.35, 0.09, 0.15
HSL	316°, 49%, 70%
HSV	316°, 35%, 85%
XYZ	47.6608, 37.3406, 56.9200
YIQ	169.1080, 27.3200, 33.5280

Conversions

Conversions Part 2

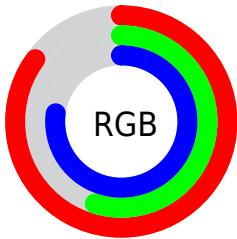
Format	Color
R _Y B	216, 140, 196
Decimal	14191812
CIE Lab	67.53, 37.18, -17.09
CIE LCh	68, 40.922, 335.311
Yxy	37.3406, 0.3358, 0.2631
Android (android.graphics.Color)	4292381892 (0xFFD88CC4)
YUV	169.1080, 13.2578, 41.1243
Hunter-Lab	61.1070, 32.2852, -12.4527

Details

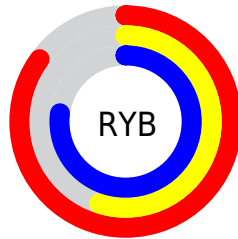
The XYZ color **47.6608, 37.3406, 56.9200** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.7178, 57.2264, 42.1072**, and the grayscale version is **37.6935, 39.6565, 43.1859**.

A 20% lighter version of the original color is **78.4847, 67.3821, 101.7980**, and **22.8694, 16.4060, 27.5525** is the 20% darker color. If you saturate the color by 10%, you get **44.1743, 31.3831, 52.6259**, and if you desaturate by 10%, it is **51.7936, 44.5502, 61.5513**.

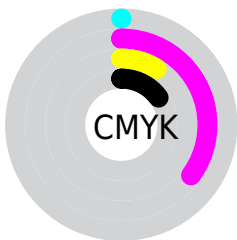
Distribution



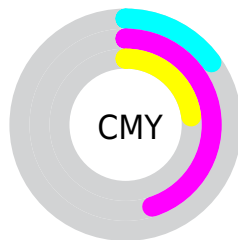
- Red (85%)
- Green (55%)
- Blue (77%)



- Red (85%)
- Yellow (55%)
- Blue (77%)



- Cyan (0%)
- Magenta (35%)
- Yellow (9%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6608, 37.3406, 56.9200 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 47.6608, 37.3406, 56.9200 by changing the saturation by 10% instead.

 47.6608, 37.3406,
56.9200

 47.6608, 37.3406,
56.9200


368.0510,
334.7828, 430.6348


 33.7685, 25.4713,
40.5321


 85.9119, 71.0963,
101.8476

 22.8778, 16.4285,
27.6367

 111.0014, 93.7515,
131.2244

 14.6235, 9.8279,
17.8153


 140.5540,
120.7709, 165.7679

 8.6402, 5.2850,
10.6494

174.9351,
152.5387, 205.8966

 4.5625, 2.4154,
5.7204

214.5100,
189.4394, 252.0292

 2.0250, 0.8338,
2.6098

259.6440,

 0.6479, 0.0000,

231.8574, 304.5840

0.8975

310.7026,
280.1770, 363.9797

■ 0.0000, 0.0000,
0.0000

■ 47.6608, 37.3406,
56.9200

■ 47.6608, 37.3406,
56.9200

■ 44.1743, 31.3831,
52.6259

■ 51.7936, 44.5502,
61.5513

■ 41.2940, 26.5997,
48.6531

■ 56.6029, 53.0739,
66.5300

■ 38.9805, 22.9116,
44.9876

■ 62.1212, 62.9756,
71.8685

■ 37.1883, 20.2281,
41.6128

■ 68.3778, 74.3133,
77.5780

■ 35.8645, 18.4438,
38.5096

■ 75.4005, 87.1422,
83.6689

■ 34.9443, 17.4298,
35.6552

■ 78.3774, 91.8384,
88.5385

■ 34.5907, 17.1077,
34.3504

■ 79.1895, 92.1632,
92.8149

■ 80.0279, 92.4986,
97.2298

■ 80.8928, 92.8445,
101.7843

Harmonies

Analogous

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



42.9554, 37.3406, 76.0035



47.6608, 37.3406, 56.9200



48.9556, 37.3406, 37.5334

Triad

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



47.6608, 37.3406, 56.9200



34.3828, 37.3406, 14.9914



26.5036, 37.3406, 64.1601

Complementary

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



47.6608, 37.3406, 56.9200



41.7178, 57.2264, 42.1072

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.



24.7539, 37.3406, 43.9505



47.6608, 37.3406, 56.9200



28.9458, 37.3406, 18.4268

Square

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



47.6608, 37.3406, 56.9200



40.7896, 37.3406, 16.5982



25.5923, 37.3406, 27.8314



30.6726, 37.3406, 80.9760

Rectangle

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



47.6608, 37.3406, 56.9200



47.5933, 37.3406, 27.5676



25.5923, 37.3406, 27.8314



25.6369, 37.3406, 57.3474

Sweetspot

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



47.6619, 37.3423, 56.9208



85.5795, 82.9244, 99.9920



36.0725, 31.0869, 69.0656



18.0871, 17.3365, 21.1772



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.



47.6619, 37.3423, 56.9208



65.6537, 47.9442, 78.3323



43.9564, 35.8601, 37.4077



12.8070, 12.5743, 14.9238



20.5205, 10.1445, 20.5768



1.2709, 0.6252, 1.4160

Inverse Universe

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



47.6619, 37.3423, 56.9208



65.6537, 47.9442, 78.3323



45.4505, 58.7195, 61.7631



12.8070, 12.5743, 14.9238



20.5205, 10.1445, 20.5768



1.2709, 0.6252, 1.4160

Previews

White Background



This preview shows how the XYZ color 47.6608, 37.3406, 56.9200 looks on a white background.

Color Contrast Check

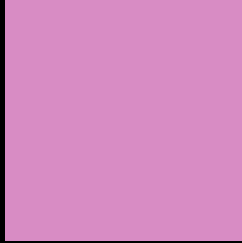
Large Text (above 18pt) WCAG AA × Fail

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 47.6608, 37.3406, 56.9200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

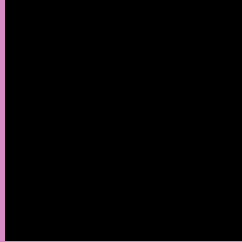
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6608, 37.3406, 56.9200

Background



This preview shows how black text looks on a background with the XYZ color 47.6608, 37.3406, 56.9200.



This preview shows how white text looks on a background with the XYZ color 47.6608, 37.3406,

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

47.6608, 37.3406, 56.9200

Protanopia

37.9298, 37.6233, 67.5503

Deuteranopia

38.4077, 37.6203, 55.1063



Tritanopia

43.4692, 37.1849, 37.2341

Trichromacy



Original Color

47.6608, 37.3406, 56.9200



Protanomaly

40.5411, 37.0129, 63.4000



Deuteranomaly

41.0245, 36.9470, 55.4213



Tritanomaly

44.8602, 37.0712, 43.8208

Monochromacy



Original Color

47.6608, 37.3406, 56.9200



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

40.6132, 38.1475, 47.8705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6608, 37.3406, 56.9200 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(216, 140, 196)` looks like.

```
.text, #text, p{  
    color:rgb(216, 140, 196)  
}
```

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(216, 140, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 140, 196) }
```

Border

The CSS property to change the border of an element to XYZ 47.6608, 37.3406, 56.9200 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(216, 140, 196) }
```


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

```
.border{ border-color:rgb(216, 140, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 140, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 140, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 140, 196); box-shadow:4px 4px 4px 4px rgb(216, 140, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6608, 37.3406, 56.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 140, 196) }
```

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

```
.background{ background-color: rgb(216,  
140, 196) }
```

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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