

Converting Colors

XYZ(36.7087, 22.9270, 55.9167)

Have a look what the booklet for
XYZ(36.7087, 22.9270, 55.9167)
contains.

XYZ(36.7087, 22.9270, 55.9167)	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(36.7087, 22.9270,
55.9167)**

Conversions

Conversions Part 1

Format	Color
Hex	C558C6
RGB	197, 88, 198
RGB Percent	77%, 35%, 78%
CMY	0.2274, 0.6549, 0.2235
CMYK	0.01, 0.56, 0.00, 0.22
HSL	299°, 49%, 56%
HSV	299°, 56%, 78%
XYZ	36.7087, 22.9270, 55.9167
YIQ	133.1310, 29.6540, 57.3180

Conversions

Conversions Part 2

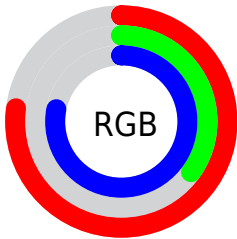
Format	Color
R_{YB}	197, 88, 198
Decimal	12933318
CIE _{Lab}	55.00, 58.10, -37.75
CIE _{LCh}	55, 69.288, 326.985
Yxy	22.9270, 0.3177, 0.1984
Android (android.graphics.Color)	4291123398 (0xFFC558C6)
YUV	133.1310, 31.9804, 56.0131
Hunter-Lab	47.8821, 53.0527, -35.7213

Details

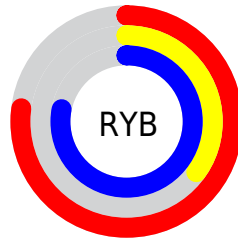
The XYZ color **36.7087, 22.9270, 55.9167** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **26.0762, 43.2172, 16.2011**, and the grayscale version is **22.2226, 23.3799, 25.4607**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **16.2886, 8.4678, 27.1615** is the 20% darker color. If you saturate the color by 10%, you get **35.2518, 20.0826, 55.4448**, and if you desaturate by 10%, it is **38.6086, 26.6561, 56.5367**.

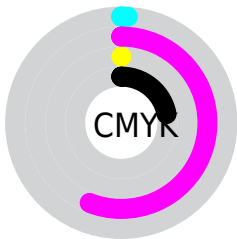
Distribution



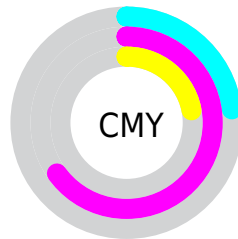
- Red (77%)
- Green (35%)
- Blue (78%)



- Red (77%)
- Yellow (35%)
- Blue (78%)



- Cyan (1%)
- Magenta (56%)
- Yellow (0%)
- Black (22%)





- Cyan (23%)
- Magenta (65%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7087, 22.9270, 55.9167 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 36.7087, 22.9270, 55.9167 by changing the saturation by 10% instead.


 36.7087, 22.9270,
55.9167


 36.7087, 22.9270,
55.9167

323.4251,
267.3498, 426.7570


 25.1547, 14.5396,
39.7326


 69.4413, 48.2734,
100.3674


 16.3217, 8.4969,
27.0179


 91.3505, 66.0013,
129.4710

 9.8444, 4.4145,
17.3541


 117.4423, 87.6114,
163.7182

 5.3574, 1.9080,
10.3227

 148.0818,
113.4882, 203.5275

 2.4953, 0.5532,
5.5050

183.6345,
144.0160, 249.3175

 0.8929, 0.0000,
2.4826

224.4657,

 0.0000, 0.0000,

179.5793, 301.5068

0.8309

270.9408,
220.5624, 360.5137

■ 0.0000, 0.0000,
0.0000

■ 36.7087, 22.9270,
55.9167

■ 36.7087, 22.9270,
55.9167

■ 35.2518, 20.0826,
55.4448

■ 38.6086, 26.6561,
56.5367

■ 34.1988, 18.0464,
55.1073

■ 40.9815, 31.3319,
57.3141

■ 33.5080, 16.7345,
54.8904

■ 43.8578, 37.0145,
58.2594

■ 33.1269, 16.0419,
54.7768

■ 47.2647, 43.7579,
59.3814

■ 33.0105, 15.8400,
54.7440

■ 51.2271, 51.6125,
60.6887

■ 55.7688, 60.6255,
62.1890

■ 60.9119, 70.8412,
63.8897

■ 66.6774, 82.3016,
65.7980

■ 69.4057, 87.6875,
66.6937

Harmonies

Analogous

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



29.2215, 22.9270, 84.9980



36.7087, 22.9270, 55.9167



40.1667, 22.9270, 27.2604

Triad

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



36.7087, 22.9270, 55.9167



22.5793, 22.9270, 2.0512



11.0835, 22.9270, 49.5623

Complementary

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



36.7087, 22.9270, 55.9167



26.0762, 43.2172, 16.2011

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.



10.1003, 22.9270, 22.7996



36.7087, 22.9270, 55.9167



15.7414, 22.9270, 3.0385

Square

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



36.7087, 22.9270, 55.9167



30.8922, 22.9270, 3.6197



11.5870, 22.9270, 8.2575



14.6805, 22.9270, 80.0508

Rectangle

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



36.7087, 22.9270, 55.9167



39.2342, 22.9270, 14.5150



11.5870, 22.9270, 8.2575



10.4794, 22.9270, 39.5074

Sweetspot

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



36.7095, 22.9280, 55.9172



82.6013, 75.3175, 104.7919



17.8607, 13.4373, 55.0787



17.4072, 15.5808, 22.3399



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.



36.7095, 22.9280, 55.9172



61.9032, 34.5507, 98.0140



31.8772, 21.0254, 29.1001



11.0732, 10.8115, 13.4207



21.4717, 10.3033, 35.6014



1.0198, 0.4895, 1.6859

Inverse Universe

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



28.5824, 19.7075, 11.7497



46.0897, 28.2911, 11.7729



29.0396, 44.3915, 32.3034



10.6377, 10.6385, 11.0756



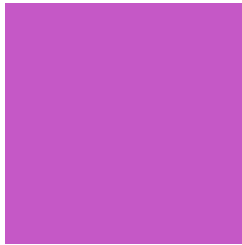
15.1534, 7.8109, 0.7516



0.7189, 0.3704, 0.0429

Previews

White Background



This preview shows how the XYZ color 36.7087, 22.9270, 55.9167 looks on a white background.

Color Contrast Check

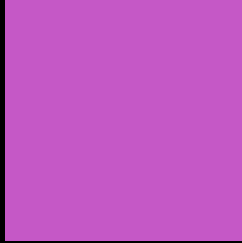
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7087, 22.9270, 55.9167 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 36.7087, 22.9270, 55.9167

Background



This preview shows how black text looks on a background with the XYZ color 36.7087, 22.9270, 55.9167.



This preview shows how white text looks on a background with the XYZ color 36.7087, 22.9270,

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

36.7087, 22.9270, 55.9167

Protanopia

26.2688, 23.4800, 80.9895

Deuteranopia

23.8269, 23.2454, 52.5212



Tritanopia

29.1730, 22.7864, 19.6903

Trichromacy



Original Color

36.7087, 22.9270, 55.9167



Protanomaly

27.3806, 21.5402, 71.1212



Deuteranomaly

26.8528, 21.8192, 53.8352



Tritanomaly

31.3278, 22.4590, 29.8780

Monochromacy



Original Color

36.7087, 22.9270, 55.9167



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

26.1574, 22.2248, 34.8095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7087, 22.9270, 55.9167 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(197, 88, 198)` looks like.

```
.text, #text, p{  
    color:rgb(197, 88, 198)  
}
```

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(197, 88, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 88, 198) }
```

Border

The CSS property to change the border of an element to XYZ 36.7087, 22.9270, 55.9167 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(197, 88, 198) }
```


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

```
.border{ border-color:rgb(197, 88, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 88, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 88, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 88, 198);  
box-shadow:4px 4px 4px 4px rgb(197, 88,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7087, 22.9270, 55.9167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 88, 198) }
```

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

```
.background{ background-color: rgb(197, 88,  
198) }
```

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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