

Converting Colors

XYZ(38.4462, 22.1336, 60.9958)

Have a look what the booklet for
XYZ(38.4462, 22.1336, 60.9958)
contains.

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Color

**XYZ(38.6131, 22.2399,
61.2891)**

Conversions

Conversions Part 1

Format	Color
Hex	CC4ACF
RGB	204, 74, 207
RGB Percent	80%, 29%, 81%
CMY	0.2000, 0.7098, 0.1882
CMYK	0.01, 0.64, 0.00, 0.19
HSL	299°, 58%, 55%
HSV	299°, 64%, 81%
XYZ	38.6131, 22.2399, 61.2891
YIQ	128.0320, 34.7870, 68.9230

Conversions

Conversions Part 2

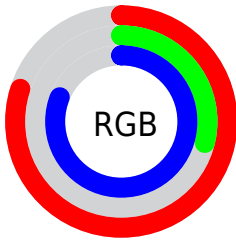
Format	Color
RYB	204, 74, 207
Decimal	13388495
CIELab	54.28, 67.38, -43.96
CIElCh	54, 80.452, 326.878
Yxy	22.2399, 0.3161, 0.1821
Android (android.graphics.Color)	4291578575 (0xFFCC4ACF)
YUV	128.0320, 38.9312, 66.6239
Hunter-Lab	47.1592, 63.6240, -44.0431

Details

The XYZ color **38.6131, 22.2399, 61.2891** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **26.6101, 46.6984, 14.0907**, and the grayscale version is **20.3908, 21.4527, 23.3620**.

A 20% lighter version of the original color is **67.4063, 44.7126, 99.6854**, and **17.5216, 8.3780, 30.3994** is the 20% darker color. If you saturate the color by 10%, you get **37.3241, 19.8509, 60.8962**, and if you desaturate by 10%, it is **40.3587, 25.5401, 61.8344**.

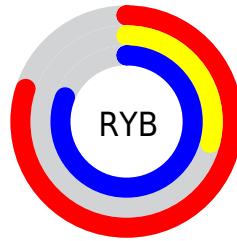
Distribution



Red (80%)

Green (29%)

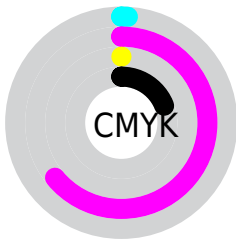
Blue (81%)



Red (80%)

Yellow (29%)

Blue (81%)

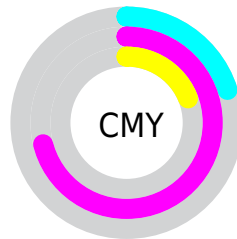


Cyan (1%)

Magenta (64%)

Yellow (0%)

Black (19%)



Cyan (20%)


Magenta (71%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6131, 22.2399, 61.2891 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 38.6131, 22.2399, 61.2891 by changing the saturation by 10% instead.


 38.6131, 22.2399,
61.2891

 38.6131, 22.2399,
61.2891


331.4783,
263.7965, 447.2691


 26.6382, 14.0333,
44.0265


 72.3448, 47.1422,
108.2590


 17.4369, 8.1438,
30.3540


 94.8323, 64.6066,
138.8034


 10.6437, 4.1871,
19.8531


 121.5547, 85.9258,
174.6121

 5.8933, 1.7788,
12.1053

 152.8774,
111.4841, 216.1036

 2.8204, 0.4739,
6.6920

 189.1658,
141.6660, 263.6965

 1.0595, 0.0000,
3.1947

230.7852,

 0.0000, 0.0000,

176.8557, 317.8094

1.1949

278.1009,
217.4378, 378.8607

■ 0.0000, 0.0000,
0.0000

■ 38.6131, 22.2399,
61.2891

■ 38.6131, 22.2399,
61.2891

■ 37.3241, 19.8509,
60.8962

■ 40.3587, 25.5401,
61.8344

■ 36.4426, 18.2770,
60.6389

■ 42.5986, 29.8291,
62.5442

■ 35.9130, 17.4062,
60.4987

■ 45.3694, 35.1795,
63.4309

■ 35.7098, 17.1080,
60.4519

■ 48.7038, 41.6563,
64.5053

■ 52.6316, 49.3194,
65.7774

■ 57.1806, 58.2243,
67.2565

■ 62.3769, 68.4232,
68.9512

■ 68.2450, 79.9651,
70.8697

■ 73.0920, 89.4643,
72.4478

Harmonies

Analogous

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



29.7030, 22.2399, 97.7460



38.6131, 22.2399, 61.2891



42.8085, 22.2399, 26.9386

Triad

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



38.6131, 22.2399, 61.2891



22.0690, 22.2399, 0.9267



9.3937, 22.2399, 53.2211

Complementary

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



38.6131, 22.2399, 61.2891



26.6101, 46.6984, 14.0907

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.



8.3871, 22.2399, 21.6823



38.6131, 22.2399, 61.2891



14.4020, 22.2399, 1.6420

Square

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



38.6131, 22.2399, 61.2891



31.7411, 22.2399, 2.1188



9.9381, 22.2399, 6.2652



13.2066, 22.2399, 91.2363

Rectangle

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



38.6131, 22.2399, 61.2891



41.6971, 22.2399, 12.7378



9.9381, 22.2399, 6.2652



8.7710, 22.2399, 41.0919

Sweetspot

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



38.6139, 22.2409, 61.2896



81.0931, 72.6813, 104.3626



16.8427, 11.4724, 60.3585



16.9759, 14.8132, 22.2145



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.



38.6139, 22.2409, 61.2896



59.2258, 30.7419, 97.4200



33.2873, 20.2062, 28.9080



12.2834, 11.9949, 14.9115



22.5101, 10.7847, 38.0877



1.2672, 0.6074, 2.1300

Inverse Universe

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



29.5211, 18.6997, 9.0755



43.6854, 24.7118, 7.1814



29.5863, 47.8615, 30.9975



11.8194, 11.8125, 12.3248



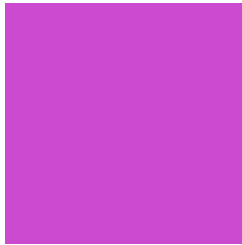
16.2332, 8.3661, 0.8682



0.9115, 0.4693, 0.0690

Previews

White Background



This preview shows how the XYZ color 38.6131, 22.2399, 61.2891 looks on a white background.

Color Contrast Check

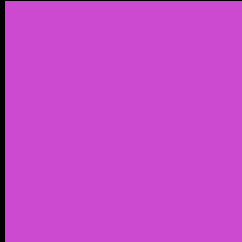
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6131, 22.2399, 61.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

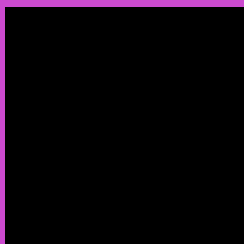
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6131, 22.2399, 61.2891

Background



This preview shows how black text looks on a background with the XYZ color 38.6131, 22.2399, 61.2891.



This preview shows how white text looks on a background with the XYZ color 38.6131, 22.2399,

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

38.6131, 22.2399, 61.2891

Protanopia

26.8761, 22.8455, 97.6008

Deuteranopia

23.2127, 22.6392, 56.5724



Tritanopia

29.7118, 22.1856, 17.7552

Trichromacy



Original Color

38.6131, 22.2399, 61.2891



Protanomaly

26.7537, 19.8142, 83.3034



Deuteranomaly

26.4351, 20.6873, 57.8581



Tritanomaly

32.0414, 21.5999, 29.6746

Monochromacy



Original Color

38.6131, 22.2399, 61.2891



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

25.1587, 20.2274, 34.4766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6131, 22.2399, 61.2891 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(204, 74, 207)` looks like.

```
.text, #text, p{  
    color:rgb(204, 74, 207)  
}
```

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(204, 74, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 74, 207) }
```

Border

The CSS property to change the border of an element to XYZ 38.6131, 22.2399, 61.2891 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(204, 74, 207) }
```


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

```
.border{ border-color:rgb(204, 74, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 74, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 74, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 74, 207);  
box-shadow:4px 4px 4px 4px rgb(204, 74,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6131, 22.2399, 61.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 74, 207) }
```

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

```
.background{ background-color: rgb(204, 74,  
207) }
```

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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