

Converting Colors

XYZ(30.2247, 21.8396, 38.6988)

Have a look what the booklet for
XYZ(30.2247, 21.8396, 38.6988)
contains.

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Color

**XYZ(30.2247, 21.8396,
38.6988)**

Conversions

Conversions Part 1

Format	Color
Hex	B366A6
RGB	179, 102, 166
RGB Percent	70%, 40%, 65%
CMY	0.2980, 0.6000, 0.3490
CMYK	0.00, 0.43, 0.07, 0.30
HSL	310°, 34%, 55%
HSV	310°, 43%, 70%
XYZ	30.2247, 21.8396, 38.6988
YIQ	132.3190, 25.3480, 36.2280

Conversions

Conversions Part 2

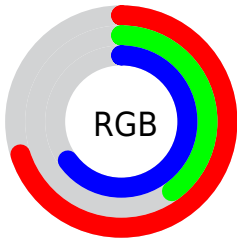
Format	Color
R _Y B	179, 102, 166
Decimal	11757222
CIE Lab	53.86, 40.18, -21.23
CIE LCh	54, 45.438, 332.149
Yxy	21.8396, 0.3330, 0.2406
Android (android.graphics.Color)	4289947302 (0xFFB366A6)
YUV	132.3190, 16.6047, 40.9392
Hunter-Lab	46.7329, 33.6632, -16.3842

Details

The XYZ color **30.2247, 21.8396, 38.6988** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.6950, 36.3035, 21.9268**, and the grayscale version is **21.9834, 23.1282, 25.1866**.

A 20% lighter version of the original color is **59.3646, 46.4960, 74.2524**, and **12.6785, 7.9425, 16.7844** is the 20% darker color. If you saturate the color by 10%, you get **28.3779, 18.5842, 36.7315**, and if you desaturate by 10%, it is **32.4592, 25.8592, 40.8279**.

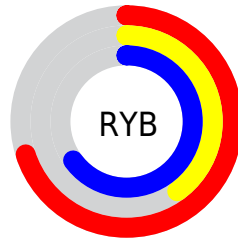
Distribution



Red (70%)

Green (40%)

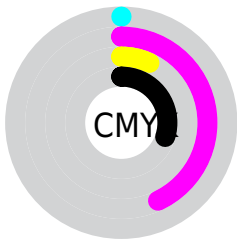
Blue (65%)



Red (70%)

Yellow (40%)

Blue (65%)

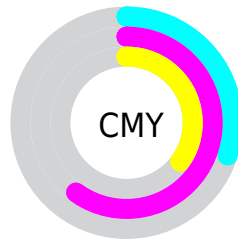


Cyan (0%)

Magenta (43%)

Yellow (7%)

Black (30%)



Cyan (30%)

Magenta (60%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2247, 21.8396, 38.6988 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 30.2247, 21.8396, 38.6988 by changing the saturation by 10% instead.


 30.2247, 21.8396,
38.6988


 30.2247, 21.8396,
38.6988


294.8415,
261.7075, 355.9959

 20.1581, 13.7391,
26.2195


 59.4015, 46.4807,
74.3932


 12.6190, 7.9394,
16.7607


 79.2425, 63.7902,
98.4454

 7.2419, 4.0562,
9.9038

 103.0723, 84.9380,
127.1923

 3.6615, 1.7051,
5.2305

 131.2563,
110.3087, 161.0524

 1.5125, 0.4269,
2.3220

164.1599,
140.2866, 200.4442

 0.3343, 0.0000,
0.7435

202.1484,

 0.0000, 0.0000,

175.2561, 245.7864

0.0000

245.5871,
215.6016, 297.4974

■ 30.2247, 21.8396,
38.6988

■ 30.2247, 21.8396,
38.6988

■ 28.3779, 18.5842,
36.7315

■ 32.4592, 25.8592,
40.8279

■ 26.8921, 16.0407,
34.9163

■ 35.1018, 30.6850,
43.1252

■ 25.7402, 14.1547,
33.2440

■ 38.1741, 36.3595,
45.5983


■ 24.8905, 12.8631,
31.7040


■ 41.6953, 42.9214,
48.2538


■ 24.3052, 12.0899,
30.2834


■ 45.6837, 50.4068,
51.0981

 23.9977, 11.7467,
29.3433

 50.1564, 58.8500,
54.1370

 55.1296, 68.2835,
57.3762

 60.6190, 78.7383,
60.8210

 63.9988, 84.9631,
63.5964

Harmonies

Analogous

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



26.1708, 21.8396, 54.6195



30.2247, 21.8396, 38.6988



31.6360, 21.8396, 22.7844

Triad

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



30.2247, 21.8396, 38.6988



20.4074, 21.8396, 5.7501



13.7747, 21.8396, 41.1685

Complementary

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



30.2247, 21.8396, 38.6988



24.6950, 36.3035, 21.9268

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.



12.7120, 21.8396, 24.8034



30.2247, 21.8396, 38.6988



16.1481, 21.8396, 7.4964

Square

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



30.2247, 21.8396, 38.6988



25.4648, 21.8396, 7.0385



13.5083, 21.8396, 13.2923



16.6700, 21.8396, 56.3957

Rectangle

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



30.2247, 21.8396, 38.6988



30.7350, 21.8396, 15.0074



13.5083, 21.8396, 13.2923



13.2138, 21.8396, 35.4383

Sweetspot

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



30.2254, 21.8406, 38.6992



68.2473, 64.8942, 81.5704



19.9374, 16.3921, 44.7615



14.8389, 13.8559, 17.8511



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



30.2254, 21.8406, 38.6992



50.8642, 33.3542, 65.8306



27.2170, 20.6372, 22.8572



8.7872, 8.6216, 10.3778



16.9785, 8.3090, 20.8447



0.5505, 0.2680, 0.7417

Inverse Universe

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



30.2254, 21.8406, 38.6992



50.8642, 33.3542, 65.8306



27.3778, 37.3766, 36.0539



8.7872, 8.6216, 10.3778



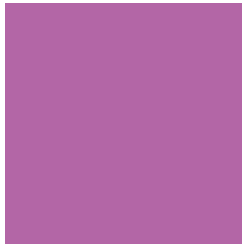
16.9785, 8.3090, 20.8447



0.5505, 0.2680, 0.7417

Previews

White Background



This preview shows how the XYZ color 30.2247, 21.8396, 38.6988 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 30.2247, 21.8396, 38.6988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

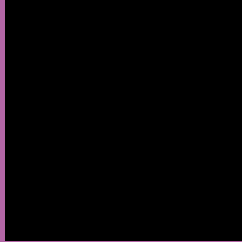
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2247, 21.8396, 38.6988

Background



This preview shows how black text looks on a background with the XYZ color 30.2247, 21.8396, 38.6988.



This preview shows how white text looks on a background with the XYZ color 30.2247, 21.8396,

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

30.2247, 21.8396, 38.6988

Protanopia

22.9019, 22.0610, 48.9501

Deuteranopia

22.5684, 22.1474, 37.2678



Tritanopia

26.6399, 21.9431, 20.6007

Trichromacy



Original Color

30.2247, 21.8396, 38.6988

Protanomaly

24.6677, 21.4055, 44.9510

Deuteranomaly

24.7663, 21.6210, 37.5183

Tritanomaly

27.7824, 21.7614, 26.4030

Monochromacy



Original Color

30.2247, 21.8396, 38.6988

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

24.2658, 22.0779, 29.3681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2247, 21.8396, 38.6988 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(179, 102, 166)` looks like.

```
.text, #text, p{  
    color:rgb(179, 102, 166)  
}
```

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(179, 102, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 102, 166) }
```

Border

The CSS property to change the border of an element to XYZ 30.2247, 21.8396, 38.6988 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(179, 102, 166) }
```


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

```
.border{ border-color:rgb(179, 102, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 102, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 102, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 102, 166);  
box-shadow:4px 4px 4px 4px rgb(179, 102,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2247, 21.8396, 38.6988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 102, 166) }
```

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

```
.background{ background-color: rgb(179,  
102, 166) }
```

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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