

Converting Colors

XYZ(31.3433, 21.1738, 59.7348)

Have a look what the booklet for
XYZ(31.3433, 21.1738, 59.7348)
contains.

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Color

**XYZ(31.3222, 21.2339,
59.5744)**

Conversions

Conversions Part 1

Format	Color
Hex	A861CC
RGB	168, 97, 204
RGB Percent	66%, 38%, 80%
CMY	0.3412, 0.6196, 0.2000
CMYK	0.18, 0.52, 0.00, 0.20
HSL	280°, 51%, 59%
HSV	280°, 52%, 80%
XYZ	31.3222, 21.2339, 59.5744
YIQ	130.4270, 7.9690, 48.3290

Conversions

Conversions Part 2

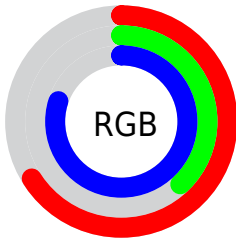
Format	Color
R_{YB}	168, 97, 204
Decimal	11035084
CIE _{Lab}	53.20, 47.07, -44.26
CIE _{LCh}	53, 64.609, 316.759
Yxy	21.2339, 0.2793, 0.1894
Android (android.graphics.Color)	4289225164 (0xFFA861CC)
YUV	130.4270, 36.2715, 32.9515
Hunter-Lab	46.0803, 40.6916, -44.3963

Details

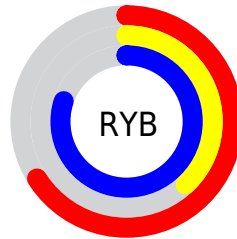
The XYZ color **31.3222, 21.2339, 59.5744** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **33.4241, 49.0359, 19.0134**, and the grayscale version is **21.2436, 22.3499, 24.3390**.

A 20% lighter version of the original color is **60.0077, 45.0402, 100.1386**, and **13.2119, 7.6346, 29.2111** is the 20% darker color. If you saturate the color by 10%, you get **28.2512, 17.2036, 58.9587**, and if you desaturate by 10%, it is **34.9566, 26.2749, 60.3562**.

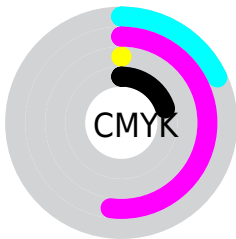
Distribution



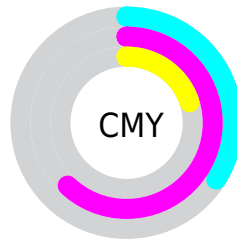
- Red (66%)
- Green (38%)
- Blue (80%)



- Red (66%)
- Yellow (38%)
- Blue (80%)



- Cyan (18%)
- Magenta (52%)
- Yellow (0%)
- Black (20%)





- Cyan (34%)
- Magenta (62%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3222, 21.2339, 59.5744 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 31.3222, 21.2339, 59.5744 by changing the saturation by 10% instead.

 31.3222, 21.2339,
59.5744


 31.3222, 21.2339,
59.5744


299.8204,
258.5189, 440.7883

 20.9973, 13.2951,
42.6526


 61.1194, 45.4765,
105.7494


 13.2345, 7.6321,
29.2833


 81.3224, 62.5490,
135.8396

 7.6683, 3.8604,
19.0478


 105.5489, 83.4350,
171.1565

 3.9335, 1.5958,
11.5277

 134.1642,
108.5187, 212.1184

 1.6646, 0.3548,
6.3043

167.5336,
138.1845, 259.1440

 0.4339, 0.0000,
2.9592

206.0226,

 0.0000, 0.0000,

172.8169, 312.6519

1.0739

249.9964,
212.8003, 373.0604

■ 0.0000, 0.0000,
0.0000

■ 31.3222, 21.2339,
59.5744

■ 31.3222, 21.2339,
59.5744

■ 28.2512, 17.2036,
58.9587

■ 34.9566, 26.2749,
60.3562

■ 25.7020, 14.1048,
58.4949

■ 39.1869, 32.3925,
61.3141

■ 23.6306, 11.8507,
58.1690

■ 44.0461, 39.6498,
62.4587

■ 21.9835, 10.3360,
57.9634

■ 49.5636, 48.1042,
63.7998

■ 20.9497, 9.5409,
57.8645

■ 55.7671, 57.8095,
65.3462

■ 62.6825, 68.8158,
67.1061

■ 70.3342, 81.1706,
69.0875

■ 77.0629, 91.5533,
70.7370

■ 79.2196, 92.6652,
70.8379

Harmonies

Analogous

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



24.2047, 21.2339, 80.9514



31.3222, 21.2339, 59.5744



35.8282, 21.2339, 32.8335

Triad

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



31.3222, 21.2339, 59.5744



23.3374, 21.2339, 2.4452



10.0494, 21.2339, 35.7288

Complementary

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



31.3222, 21.2339, 59.5744



33.4241, 49.0359, 19.0134

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.



9.9190, 21.2339, 15.5405



31.3222, 21.2339, 59.5744



16.6320, 21.2339, 2.5811

Square

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



31.3222, 21.2339, 59.5744



30.5652, 21.2339, 5.1335



12.0569, 21.2339, 5.7549



12.4653, 21.2339, 62.6918

Rectangle

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



31.3222, 21.2339, 59.5744



36.2071, 21.2339, 18.9754



12.0569, 21.2339, 5.7549



9.7595, 21.2339, 27.8282

Sweetspot

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



31.3230, 21.2348, 59.5749



78.5161, 74.1633, 104.7844



24.4171, 24.0768, 60.4874



16.3969, 15.2474, 22.3288



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.



31.3230, 21.2348, 59.5749



46.1578, 27.6984, 97.5213



38.2488, 25.0162, 50.3619



11.3067, 11.2074, 14.1377



13.2884, 6.0580, 36.4252



0.7643, 0.3531, 1.8828

Inverse Universe

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



33.4108, 23.0810, 24.8853



50.6509, 31.4786, 31.5897



29.5068, 46.9210, 23.1400



11.3654, 11.2749, 12.4590



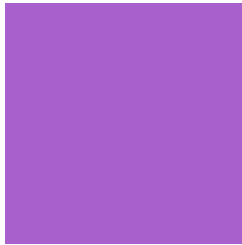
16.3816, 8.3632, 4.4623



0.8804, 0.4456, 0.4160

Previews

White Background



This preview shows how the XYZ color 31.3222, 21.2339, 59.5744 looks on a white background.

Color Contrast Check

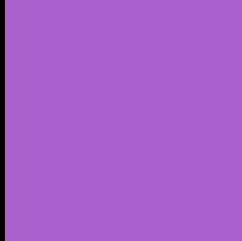
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3222, 21.2339, 59.5744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

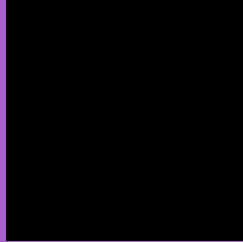
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3222, 21.2339, 59.5744

Background



This preview shows how black text looks on a background with the XYZ color 31.3222, 21.2339, 59.5744.



This preview shows how white text looks on a background with the XYZ color 31.3222, 21.2339,

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

31.3222, 21.2339, 59.5744

Protanopia

24.4111, 21.6502, 77.0210

Deuteranopia

21.9989, 21.4296, 56.4029



Tritanopia

23.8375, 21.2969, 22.5930

Trichromacy



Original Color

31.3222, 21.2339, 59.5744



Protanomaly

25.3660, 20.5169, 70.3334



Deuteranomaly

24.1419, 20.5125, 57.3305



Tritanomaly

25.9059, 20.9585, 33.2519

Monochromacy



Original Color

31.3222, 21.2339, 59.5744



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

24.0658, 21.3205, 34.7451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3222, 21.2339, 59.5744 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(168, 97, 204)` looks like.

```
.text, #text, p{  
    color:rgb(168, 97, 204)  
}
```

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(168, 97, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 97, 204) }
```

Border

The CSS property to change the border of an element to XYZ 31.3222, 21.2339, 59.5744 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(168, 97, 204) }
```


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

```
.border{ border-color:rgb(168, 97, 204) }
```

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

Here you see how a box with a 4 pixel rgb(168, 97, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 97, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 97, 204);  
box-shadow:4px 4px 4px 4px rgb(168, 97,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3222, 21.2339, 59.5744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 97, 204) }
```

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

```
.background{ background-color: rgb(168, 97,  
204) }
```

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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