

Converting Colors

XYZ(31.2737, 21.4721, 61.2409)

Have a look what the booklet for
XYZ(31.2737, 21.4721, 61.2409)
contains.

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Color

**XYZ(31.2414, 21.4280,
61.5209)**

Conversions

Conversions Part 1

Format	Color
Hex	A563CF
RGB	165, 99, 207
RGB Percent	65%, 39%, 81%
CMY	0.3529, 0.6118, 0.1882
CMYK	0.20, 0.52, 0.00, 0.19
HSL	277°, 53%, 60%
HSV	277°, 52%, 81%
XYZ	31.2414, 21.4280, 61.5209
YIQ	131.0460, 4.6680, 47.5800

Conversions

Conversions Part 2

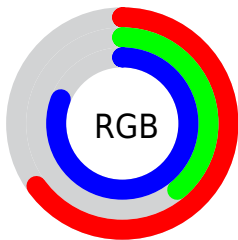
Format	Color
R_{YB}	165, 99, 207
Decimal	10838991
CIE _{Lab}	53.41, 45.86, -45.66
CIE _{LCh}	53, 64.718, 315.126
Yxy	21.4280, 0.2736, 0.1877
Android (android.graphics.Color)	4289029071 (0xFFA563CF)
YUV	131.0460, 37.4453, 29.7777
Hunter-Lab	46.2904, 39.4615, -46.3944

Details

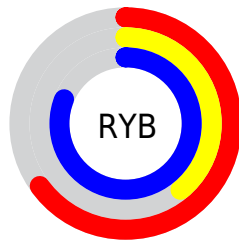
The XYZ color **31.2414, 21.4280, 61.5209** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.5499, 51.1896, 19.8120**, and the grayscale version is **21.4599, 22.5775, 24.5869**.

A 20% lighter version of the original color is **59.4024, 45.2061, 100.2025**, and **13.1549, 7.6959, 30.4979** is the 20% darker color. If you saturate the color by 10%, you get **27.9039, 17.1603, 60.8734**, and if you desaturate by 10%, it is **35.1885, 26.7568, 62.3418**.

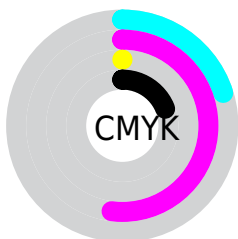
Distribution



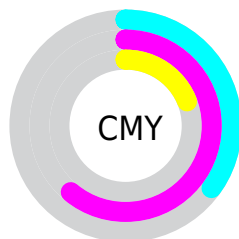
- Red (65%)
- Green (39%)
- Blue (81%)



- Red (65%)
- Yellow (39%)
- Blue (81%)



- Cyan (20%)
- Magenta (52%)
- Yellow (0%)
- Black (19%)



- Cyan (35%)
- Magenta (61%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2414, 21.4280, 61.5209 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 31.2414, 21.4280, 61.5209 by changing the saturation by 10% instead.

31.2414, 21.4280,
61.5209

31.2414, 21.4280,
61.5209

299.4560,
259.5444, 448.1407

20.9355, 13.4372,
44.2124

60.9932, 45.7988,
108.5977

13.1890, 7.7303,
30.4991

81.1698, 62.9475,
139.2030

7.6367, 3.9229,
19.9625

105.3672, 83.9178,
175.0777

3.9132, 1.6305,
12.1840

133.9510,
109.0938, 216.6403

1.6532, 0.3780,
6.7450

167.2864,
138.8601, 264.3094

0.4267, 0.0000,
3.2271

205.7388,

0.0000, 0.0000,

173.6011, 318.5034

1.2118

249.6735,
213.7010, 379.6410

■ 0.0000, 0.0000,
0.0000

■ 31.2414, 21.4280,
61.5209

■ 31.2414, 21.4280,
61.5209

■ 27.9039, 17.1603,
60.8734

■ 35.1885, 26.7568,
62.3418

■ 25.1324, 13.8717,
60.3847

■ 39.7797, 33.2153,
63.3464

■ 22.8806, 11.4719,
60.0402

■ 45.0494, 40.8691,
64.5460

■ 21.0927, 9.8522,
59.8218

■ 51.0291, 49.7779,
65.9504

■ 19.9410, 8.9789,
59.7139

■ 57.7477, 59.9976,
67.5689

■ 65.2327, 71.5803,
69.4101

■ 73.5101, 84.5756,
71.4822

■ 79.4638, 92.7491,
72.7460

■ 82.0984, 94.1073,
72.8693

Harmonies

Analogous

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



24.0137, 21.4280, 82.2629



31.2414, 21.4280, 61.5209



35.9963, 21.4280, 34.4582

Triad

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



31.2414, 21.4280, 61.5209



23.9510, 21.4280, 2.5380



10.0871, 21.4280, 34.6674

Complementary

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



31.2414, 21.4280, 61.5209



35.5499, 51.1896, 19.8120

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.



10.0776, 21.4280, 14.9019



31.2414, 21.4280, 61.5209



17.1090, 21.4280, 2.5478

Square

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



31.2414, 21.4280, 61.5209



31.1867, 21.4280, 5.4745



12.3632, 21.4280, 5.5195



12.3927, 21.4280, 61.7461

Rectangle

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



31.2414, 21.4280, 61.5209



36.5694, 21.4280, 20.1104



12.3632, 21.4280, 5.5195



9.8356, 21.4280, 26.8793

Sweetspot

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



31.2422, 21.4289, 61.5214



77.7890, 73.7884, 104.7504



26.1116, 26.5640, 62.7830



16.2231, 15.1578, 22.3206



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.



31.2422, 21.4289, 61.5214



43.9557, 26.5631, 97.4182



40.1811, 26.1844, 55.2808



11.8471, 11.7700, 14.8911



12.6724, 5.7131, 37.6273



0.7960, 0.3645, 2.1080

Inverse Universe

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



35.0022, 24.1128, 28.0092



51.3446, 31.7561, 35.2428



30.2626, 48.4002, 22.4428



11.9963, 11.8833, 13.2565



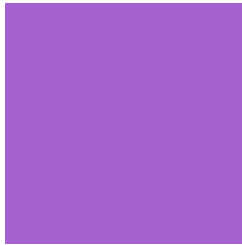
17.1796, 8.7447, 5.8518



0.9990, 0.5043, 0.5297

Previews

White Background



This preview shows how the XYZ color 31.2414, 21.4280, 61.5209 looks on a white background.

Color Contrast Check

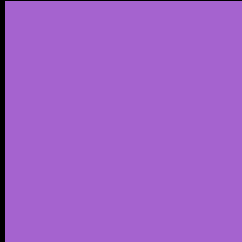
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2414, 21.4280, 61.5209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

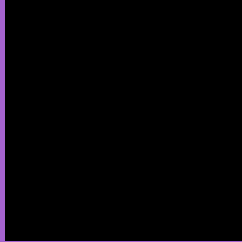
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2414, 21.4280, 61.5209

Background



This preview shows how black text looks on a background with the XYZ color 31.2414, 21.4280, 61.5209.



This preview shows how white text looks on a background with the XYZ color 31.2414, 21.4280,

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

31.2414, 21.4280, 61.5209

Protanopia

24.6119, 21.7213, 78.4968

Deuteranopia

22.2863, 21.7301, 58.2781



Tritanopia

23.4420, 21.4276, 23.3225

Trichromacy



Original Color

31.2414, 21.4280, 61.5209



Protanomaly

25.4999, 20.7235, 71.7633



Deuteranomaly

24.3432, 20.7474, 59.2215



Tritanomaly

25.7846, 21.1908, 34.6295

Monochromacy



Original Color

31.2414, 21.4280, 61.5209



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

24.1825, 21.5365, 35.6833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2414, 21.4280, 61.5209 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(165, 99, 207)` looks like.

```
.text, #text, p{  
    color:rgb(165, 99, 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(165, 99, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 99, 207) }
```

Border

The CSS property to change the border of an element to XYZ 31.2414, 21.4280, 61.5209 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(165, 99, 207) }
```


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

```
.border{ border-color:rgb(165, 99, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 99, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 99, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 99, 207);  
box-shadow:4px 4px 4px 4px rgb(165, 99,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2414, 21.4280, 61.5209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 99, 207) }
```

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

```
.background{ background-color: rgb(165, 99,  
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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