

Converting Colors

XYZ(30.1225, 21.2230, 58.8257)

Have a look what the booklet for
XYZ(30.1225, 21.2230, 58.8257)
contains.

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Color

**XYZ(30.1311, 21.1962,
59.0031)**

Conversions

Conversions Part 1

Format	Color
Hex	A165CB
RGB	161, 101, 203
RGB Percent	63%, 40%, 80%
CMY	0.3686, 0.6039, 0.2039
CMYK	0.21, 0.50, 0.00, 0.20
HSL	275°, 50%, 60%
HSV	275°, 50%, 80%
XYZ	30.1311, 21.1962, 59.0031
YIQ	130.5680, 3.0180, 44.4420

Conversions

Conversions Part 2

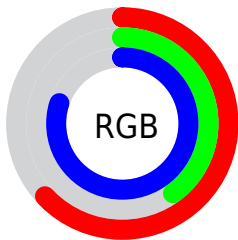
Format	Color
R_{YB}	161, 101, 203
Decimal	10577355
CIE _{Lab}	53.16, 42.81, -43.81
CIE _{LCh}	53, 61.251, 314.339
Yxy	21.1962, 0.2731, 0.1921
Android (android.graphics.Color)	4288767435 (0xFFA165CB)
YUV	130.5680, 35.7090, 26.6889
Hunter-Lab	46.0393, 36.2531, -43.7574

Details

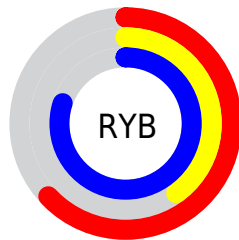
The XYZ color **30.1311, 21.1962, 59.0031** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.0331, 49.4915, 20.0191**, and the grayscale version is **21.2966, 22.4056, 24.3997**.

A 20% lighter version of the original color is **58.5190, 45.2366, 100.2550**, and **12.5925, 7.6316, 28.8263** is the 20% darker color. If you saturate the color by 10%, you get **26.7696, 16.8903, 58.3495**, and if you desaturate by 10%, it is **34.0935, 26.5353, 59.8252**.

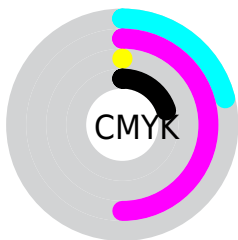
Distribution



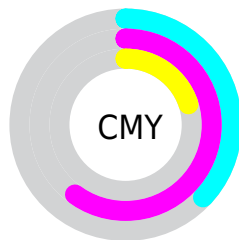
- Red (63%)
- Green (40%)
- Blue (80%)



- Red (63%)
- Yellow (40%)
- Blue (80%)



- Cyan (21%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)



- Cyan (37%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1311, 21.1962, 59.0031 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 30.1311, 21.1962, 59.0031 by changing the saturation by 10% instead.

■ 30.1311, 21.1962,
59.0031

■ 30.1311, 21.1962,
59.0031

294.4139,
258.3194, 438.6156

■ 20.0867, 13.2675,
42.1956

■ 59.2546, 45.4138,
104.9113

■ 12.5667, 7.6130,
28.9278

■ 79.0645, 62.4716,
134.8491

■ 7.2058, 3.8483,
18.7811

■ 102.8602, 83.3411,
170.0008

■ 3.6386, 1.5891,
11.3370

■ 131.0071,
108.4068, 210.7848

■ 1.4998, 0.3502,
6.1770

163.8706,
138.0531, 257.6198

■ 0.3257, 0.0000,
2.8825

201.8160,

■ 0.0000, 0.0000,

172.6643, 310.9242

1.0349

245.2086,
212.6250, 371.1166

■ 0.0000, 0.0000,
0.0000

■ 30.1311, 21.1962,
59.0031

■ 30.1311, 21.1962,
59.0031

■ 26.7696, 16.8903,
58.3495

■ 34.0935, 26.5353,
59.8252

■ 23.9680, 13.5409,
57.8507

■ 38.6894, 32.9717,
60.8253

■ 21.6832, 11.0644,
57.4931

■ 43.9516, 40.5673,
62.0140

■ 19.8634, 9.3609,
57.2602

■ 49.9096, 49.3782,
63.4007

■ 18.4442, 8.2631,
57.1231

■ 56.5914, 59.4573,
64.9940

■ 64.0229, 70.8538,
66.8021

■ 72.2291, 83.6147,
68.8326

■ 78.4938, 92.3049,
70.1798

■ 81.2083, 93.7042,
70.3069

Harmonies

Analogous

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



23.3809, 21.1962, 77.5257



30.1311, 21.1962, 59.0031



34.6246, 21.1962, 34.0717

Triad

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



30.1311, 21.1962, 59.0031



23.6878, 21.1962, 2.9797



10.3514, 21.1962, 33.0548

Complementary

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



30.1311, 21.1962, 59.0031



35.0331, 49.4915, 20.0191

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.



10.3990, 21.1962, 14.7486



30.1311, 21.1962, 59.0031



17.2248, 21.1962, 2.9258

Square

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



30.1311, 21.1962, 59.0031



30.3967, 21.1962, 6.0787



12.6541, 21.1962, 5.8435



12.5062, 21.1962, 57.9253

Rectangle

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



30.1311, 21.1962, 59.0031



35.2385, 21.1962, 20.4915



12.6541, 21.1962, 5.8435



10.1277, 21.1962, 25.8758

Sweetspot

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



30.1319, 21.1970, 59.0036



78.4796, 75.1112, 104.9693



26.0447, 26.8747, 60.3149



16.3473, 15.4122, 22.3632



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.



30.1319, 21.1970, 59.0036



44.5399, 27.9293, 97.6511



39.0767, 25.9221, 54.2782



11.2236, 11.1646, 14.1338



11.8434, 5.3130, 36.3576



0.6959, 0.3179, 1.8796

Inverse Universe

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



34.2407, 23.9877, 28.8125



52.7828, 33.4793, 39.2770



29.5107, 46.5940, 22.0485



11.4006, 11.2890, 12.6444



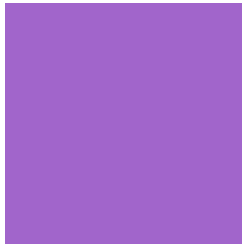
16.7245, 8.5004, 6.2680



0.9002, 0.4535, 0.5205

Previews

White Background



This preview shows how the XYZ color 30.1311, 21.1962, 59.0031 looks on a white background.

Color Contrast Check

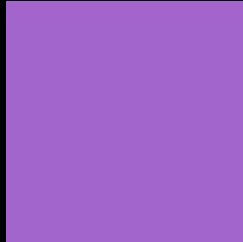
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1311, 21.1962, 59.0031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

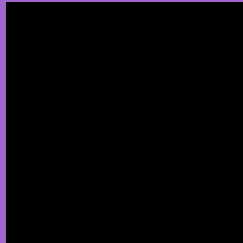
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1311, 21.1962, 59.0031

Background



This preview shows how black text looks on a background with the XYZ color 30.1311, 21.1962, 59.0031.



This preview shows how white text looks on a background with the XYZ color 30.1311, 21.1962,

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

30.1311, 21.1962, 59.0031

Protanopia

24.0555, 21.5465, 73.4120

Deuteranopia

21.9989, 21.4296, 56.4029



Tritanopia

22.8875, 21.1417, 23.2965

Trichromacy



Original Color

30.1311, 21.1962, 59.0031

Protanomaly

25.0705, 20.7636, 67.6522

Deuteranomaly

24.1062, 20.8400, 57.3956

Tritanomaly

24.8474, 20.7272, 33.7015

Monochromacy



Original Color

30.1311, 21.1962, 59.0031

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.9576, 21.6180, 34.8083

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1311, 21.1962, 59.0031 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(161, 101, 203)` looks like.

```
.text, #text, p{  
    color:rgb(161, 101, 203)  
}
```

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(161, 101, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 101, 203) }
```

Border

The CSS property to change the border of an element to XYZ 30.1311, 21.1962, 59.0031 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(161, 101, 203) }
```


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

```
.border{ border-color:rgb(161, 101, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 101, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 101, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 101, 203);  
box-shadow:4px 4px 4px 4px rgb(161, 101,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1311, 21.1962, 59.0031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 101, 203) }
```

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

```
.background{ background-color: rgb(161,  
101, 203) }
```

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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