

Converting Colors

XYZ(30.1199, 21.9435, 58.0447)

Have a look what the booklet for
XYZ(30.1199, 21.9435, 58.0447)
contains.

XYZ(30.1939, 21.9987, 57.9131)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.1939, 21.9987,
57.9131)**

Conversions

Conversions Part 1

Format	Color
Hex	A06AC9
RGB	160, 106, 201
RGB Percent	63%, 42%, 79%
CMY	0.3725, 0.5843, 0.2118
CMYK	0.20, 0.47, 0.00, 0.21
HSL	274°, 47%, 60%
HSV	274°, 47%, 79%
XYZ	30.1939, 21.9987, 57.9131
YIQ	132.9760, 1.6890, 40.9930

Conversions

Conversions Part 2

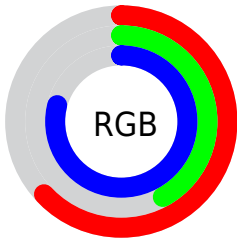
Format	Color
R _{YB}	160, 106, 201
Decimal	10513097
CIE Lab	54.03, 39.33, -41.31
CIE LCh	54, 57.039, 313.592
Yxy	21.9987, 0.2742, 0.1998
Android (android.graphics.Color)	4288703177 (0xFFA06AC9)
YUV	132.9760, 33.5358, 23.7000
Hunter-Lab	46.9028, 32.8304, -40.3763

Details

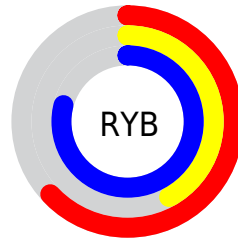
The XYZ color **30.1939, 21.9987, 57.9131** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **35.5212, 49.0174, 21.2256**, and the grayscale version is **22.1678, 23.3222, 25.3979**.

A 20% lighter version of the original color is **58.7670, 46.6152, 100.5080**, and **12.5463, 7.9678, 28.0708** is the 20% darker color. If you saturate the color by 10%, you get **26.6862, 17.4679, 57.2238**, and if you desaturate by 10%, it is **34.3097, 27.5645, 58.7708**.

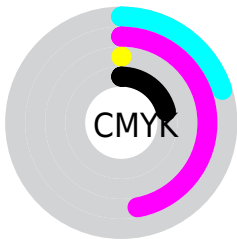
Distribution



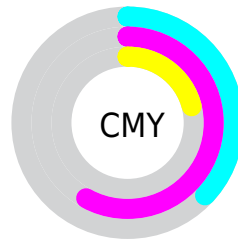
- Red (63%)
- Green (42%)
- Blue (79%)



- Red (63%)
- Yellow (42%)
- Blue (79%)



- Cyan (20%)
- Magenta (47%)
- Yellow (0%)
- Black (21%)



- Cyan (37%)
- Magenta (58%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1939, 21.9987, 57.9131 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 30.1939, 21.9987, 57.9131 by changing the saturation by 10% instead.

■ 30.1939, 21.9987,
57.9131

■ 30.1939, 21.9987,
57.9131

294.7009,
262.5395, 434.4513

■ 20.1346, 13.8559,
41.3246

■ 59.3532, 46.7438,
103.3098

■ 12.6018, 8.0205,
28.2512

■ 79.1839, 64.1150,
132.9551

■ 7.2300, 4.1081,
18.2744

■ 103.0025, 85.3311,
167.7897

■ 3.6540, 1.7342,
10.9757

■ 131.1743,
110.7766, 208.2321

■ 1.5083, 0.4457,
5.9365

164.0647,
140.8357, 254.7009

■ 0.3315, 0.0000,
2.7384

202.0390,

■ 0.0000, 0.0000,

175.8930, 307.6147

0.9626

245.4626,
216.3328, 367.3920

■ 0.0000, 0.0000,
0.0000

■ 30.1939, 21.9987,
57.9131

■ 30.1939, 21.9987,
57.9131

■ 26.6862, 17.4679,
57.2238

■ 34.3097, 27.5645,
58.7708

■ 23.7472, 13.8992,
56.6899

■ 39.0646, 34.2260,
59.8060

■ 21.3362, 11.2145,
56.2988

■ 44.4901, 42.0422,
61.0288

■ 19.4053, 9.3213,
56.0351

■ 50.6151, 51.0673,
62.4480

■ 17.8889, 8.0928,
55.8779

■ 57.4663, 61.3516,
64.0719

■ 17.5153, 7.8116,
55.8433

■ 65.0691, 72.9429,
65.9086

■ 73.4477, 85.8862,
67.9653

■ 78.7433, 92.4608,
68.9552

■ 81.5873, 93.9270,
69.0883

Harmonies

Analogous

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



23.8205, 21.9987, 74.4225



30.1939, 21.9987, 57.9131



34.4661, 21.9987, 34.8788

Triad

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



30.1939, 21.9987, 57.9131



24.4393, 21.9987, 3.9161



11.3740, 21.9987, 32.8499

Complementary

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



30.1939, 21.9987, 57.9131



35.5212, 49.0174, 21.2256

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.



11.4748, 21.9987, 15.5863



30.1939, 21.9987, 57.9131



18.2452, 21.9987, 3.7884

Square

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



30.1939, 21.9987, 57.9131



30.7230, 21.9987, 7.3419



13.7544, 21.9987, 6.8187



13.4452, 21.9987, 55.8146

Rectangle

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



30.1939, 21.9987, 57.9131



35.1112, 21.9987, 21.8880



13.7544, 21.9987, 6.8187



11.1696, 21.9987, 26.1436

Sweetspot

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



30.1947, 21.9996, 57.9136



79.2570, 76.4938, 105.1952



26.9468, 28.2013, 59.2818



16.4905, 15.6792, 22.4072



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.



30.1947, 21.9996, 57.9136



45.3953, 29.5384, 97.9166



39.0546, 26.6514, 54.5186



10.6240, 10.5800, 13.3997



11.1195, 4.9666, 35.1169



0.6084, 0.2774, 1.6666

Inverse Universe

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



34.5084, 24.8329, 30.5786



54.2611, 35.3296, 43.1800



29.7744, 46.0153, 22.7401



10.8207, 10.7117, 12.0392



16.2644, 8.2553, 6.6023



0.8063, 0.4054, 0.5030

Previews

White Background



This preview shows how the XYZ color 30.1939, 21.9987, 57.9131 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 30.1939, 21.9987, 57.9131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

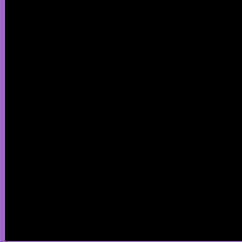
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.1939, 21.9987, 57.9131

Background



This preview shows how black text looks on a background with the XYZ color 30.1939, 21.9987, 57.9131.



This preview shows how white text looks on a background with the XYZ color 30.1939, 21.9987,

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

30.1939, 21.9987, 57.9131

Protanopia

24.4635, 22.2098, 70.0154

Deuteranopia

22.7438, 22.2274, 55.3161



Tritanopia

23.5188, 21.9746, 24.8317

Trichromacy



Original Color

30.1939, 21.9987, 57.9131

Protanomaly

25.5507, 21.5920, 65.1083

Deuteranomaly

24.7761, 21.7450, 56.3174

Tritanomaly

25.4681, 21.6974, 34.7440

Monochromacy



Original Color

30.1939, 21.9987, 57.9131

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.5822, 22.4742, 35.3901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1939, 21.9987, 57.9131 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(160, 106, 201)` looks like.

```
.text, #text, p{  
    color:rgb(160, 106, 201)  
}
```

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(160, 106, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 106, 201) }
```

Border

The CSS property to change the border of an element to XYZ 30.1939, 21.9987, 57.9131 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(160, 106, 201) }
```


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

```
.border{ border-color:rgb(160, 106, 201) }
```

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

Here you see how a box with a 4 pixel rgb(160, 106, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 106, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 106, 201);  
box-shadow:4px 4px 4px 4px rgb(160, 106,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1939, 21.9987, 57.9131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 106, 201) }
```

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

```
.background{ background-color: rgb(160,  
106, 201) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor