

Converting Colors

XYZ(31.6064, 21.1071, 58.1772)

Have a look what the booklet for
XYZ(31.6064, 21.1071, 58.1772)
contains.

XYZ(31.5475, 21.1066, 58.2884)	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(31.5475, 21.1066,
58.2884)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5FCA
RGB	171, 95, 202
RGB Percent	67%, 37%, 79%
CMY	0.3294, 0.6274, 0.2078
CMYK	0.15, 0.53, 0.00, 0.21
HSL	283°, 50%, 58%
HSV	283°, 53%, 79%
XYZ	31.5475, 21.1066, 58.2884
YIQ	129.9220, 10.9490, 49.3890

Conversions

Conversions Part 2

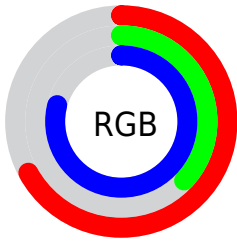
Format	Color
R _Y B	171, 95, 202
Decimal	11231178
CIE Lab	53.07, 48.49, -43.32
CIE LCh	53, 65.019, 318.226
Yxy	21.1066, 0.2844, 0.1902
Android (android.graphics.Color)	4289421258 (0xFFAB5FCA)
YUV	129.9220, 35.5345, 36.0254
Hunter-Lab	45.9419, 42.1744, -43.0643

Details

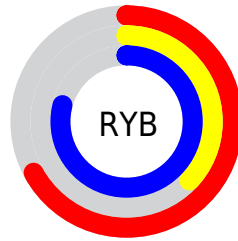
The XYZ color **31.5475, 21.1066, 58.2884** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **31.7908, 47.5034, 18.3208**, and the grayscale version is **21.0670, 22.1642, 24.1368**.

A 20% lighter version of the original color is **60.6348, 44.8938, 100.0773**, and **13.3328, 7.5473, 28.3578** is the 20% darker color. If you saturate the color by 10%, you get **28.7118, 17.2852, 57.7006**, and if you desaturate by 10%, it is **34.9130, 25.9022, 59.0370**.

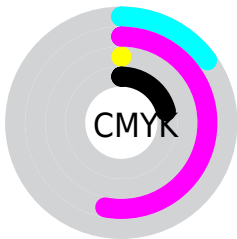
Distribution



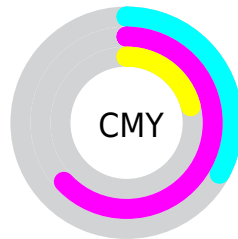
- Red (67%)
- Green (37%)
- Blue (79%)



- Red (67%)
- Yellow (37%)
- Blue (79%)



- Cyan (15%)
- Magenta (53%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (63%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5475, 21.1066, 58.2884 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 31.5475, 21.1066, 58.2884 by changing the saturation by 10% instead.

31.5475, 21.1066,
58.2884

31.5475, 21.1066,
58.2884

300.8348,
257.8445, 435.8879

21.1700, 13.2019,
41.6243

61.4710, 45.2649,
103.8616

13.3615, 7.5678,
28.4839

81.7477, 62.2873,
133.6079

7.7566, 3.8196,
18.4485

106.0549, 83.1177,
168.5519

3.9901, 1.5732,
11.0997

134.7579,
108.1406, 209.1123

1.6965, 0.3394,
6.0189

168.2220,
137.7404, 255.7075

0.4541, 0.0000,
2.7876

206.8126,

0.0000, 0.0000,

172.3013, 308.7562

0.9872

250.8951,
212.2079, 368.6768

■ 0.0000, 0.0000,
0.0000

■ 31.5475, 21.1066,
58.2884

■ 31.5475, 21.1066,
58.2884

■ 28.7118, 17.2852,
57.7006

■ 34.9130, 25.9022,
59.0370

■ 26.3654, 14.3605,
57.2597

■ 38.8398, 31.7364,
59.9561

■ 24.4655, 12.2473,
56.9520

■ 43.3597, 38.6708,
61.0564

■ 22.9598, 10.8419,
56.7601

■ 48.5013, 46.7618,
62.3471

■ 22.0715, 10.1467,
56.6727

■ 54.2913, 56.0614,
63.8370

■ 60.7545, 66.6188,
65.5341

■ 67.9146, 78.4802,
67.4462

■ 75.2803, 90.6620,
69.4093

■ 77.0597, 91.5792,
69.4926

Harmonies

Analogous

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



24.4596, 21.1066, 80.4870



31.5475, 21.1066, 58.2884



35.8765, 21.1066, 31.5503

Triad

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



31.5475, 21.1066, 58.2884



22.8646, 21.1066, 2.3177



9.9871, 21.1066, 36.8809

Complementary

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



31.5475, 21.1066, 58.2884



31.7908, 47.5034, 18.3208

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.



9.7485, 21.1066, 16.1242



31.5475, 21.1066, 58.2884



16.2244, 21.1066, 2.5636

Square

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



31.5475, 21.1066, 58.2884



30.1538, 21.1066, 4.7872



11.7683, 21.1066, 5.9192



12.5168, 21.1066, 64.0403

Rectangle

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



31.5475, 21.1066, 58.2884



36.0851, 21.1066, 18.0050



11.7683, 21.1066, 5.9192



9.6614, 21.1066, 28.7996

Sweetspot

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



31.5483, 21.1075, 58.2889



79.1714, 74.5011, 104.8151



22.9830, 21.9026, 58.8938



16.5538, 15.3283, 22.3361



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.



31.5483, 21.1075, 58.2889



47.7933, 28.2089, 97.5336



36.7494, 24.0615, 46.2092



11.3586, 11.2342, 14.1401



14.2946, 6.5767, 36.4723



0.8104, 0.3769, 1.8850

Inverse Universe

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



32.2158, 22.2480, 22.3356



49.7160, 30.7461, 27.7714



29.0162, 45.9448, 23.9850



11.3438, 11.2662, 12.3449



16.2074, 8.2936, 3.5450



0.8695, 0.4412, 0.3584

Previews

White Background



This preview shows how the XYZ color 31.5475, 21.1066, 58.2884 looks on a white background.

Color Contrast Check

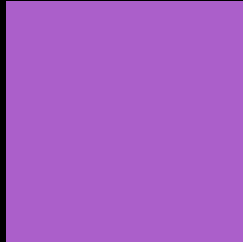
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5475, 21.1066, 58.2884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

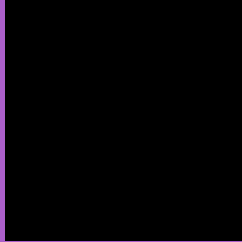
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5475, 21.1066, 58.2884

Background



This preview shows how black text looks on a background with the XYZ color 31.5475, 21.1066, 58.2884.



This preview shows how white text looks on a background with the XYZ color 31.5475, 21.1066,

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

31.5475, 21.1066, 58.2884

Protanopia

24.3310, 21.6089, 77.0173

Deuteranopia

21.9668, 21.4396, 55.2050



Tritanopia

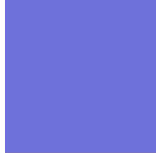
24.0669, 21.0876, 21.8706

Trichromacy



Original Color

31.5475, 21.1066, 58.2884



Protanomaly

25.2469, 20.3042, 69.6063



Deuteranomaly

24.2089, 20.4036, 56.0884



Tritanomaly

26.1343, 20.7787, 32.3390

Monochromacy



Original Color

31.5475, 21.1066, 58.2884



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

24.0391, 21.1426, 34.2664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5475, 21.1066, 58.2884 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(171, 95, 202)` looks like.

```
.text, #text, p{  
    color:rgb(171, 95, 202)  
}
```

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(171, 95, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 95, 202) }
```

Border

The CSS property to change the border of an element to XYZ 31.5475, 21.1066, 58.2884 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(171, 95, 202) }
```


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

```
.border{ border-color:rgb(171, 95, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 95, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 95, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 95, 202);  
box-shadow:4px 4px 4px 4px rgb(171, 95,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5475, 21.1066, 58.2884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 95, 202) }
```

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

```
.background{ background-color: rgb(171, 95,  
202) }
```

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