

Converting Colors

XYZ(31.5863, 21.0645, 63.7435)

Have a look what the booklet for
XYZ(31.5863, 21.0645, 63.7435)
contains.

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Color

**XYZ(31.5760, 20.9946,
64.0161)**

Conversions

Conversions Part 1

Format	Color
Hex	A65FD3
RGB	166, 95, 211
RGB Percent	65%, 37%, 83%
CMY	0.3490, 0.6274, 0.1725
CMYK	0.21, 0.55, 0.00, 0.17
HSL	277°, 57%, 60%
HSV	277°, 55%, 83%
XYZ	31.5760, 20.9946, 64.0161
YIQ	129.4530, 5.0800, 51.1280

Conversions

Conversions Part 2

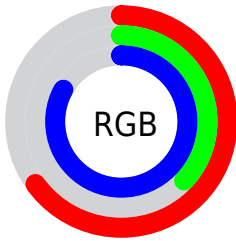
Format	Color
R_{YB}	166, 95, 211
Decimal	10903507
CIE _{Lab}	52.94, 49.12, -48.68
CIE _{LCh}	53, 69.157, 315.259
Yxy	20.9946, 0.2708, 0.1801
Android (android.graphics.Color)	4289093587 (0xFFA65FD3)
YUV	129.4530, 40.2027, 32.0517
Hunter-Lab	45.8199, 42.8256, -50.7617

Details

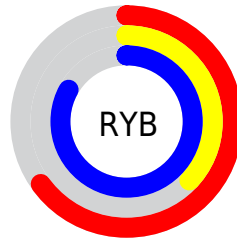
The XYZ color **31.5760, 20.9946, 64.0161** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **36.1755, 52.9906, 19.1488**, and the grayscale version is **20.8879, 21.9757, 23.9316**.

A 20% lighter version of the original color is **59.0713, 44.0878, 100.0041**, and **13.4202, 7.5076, 32.1943** is the 20% darker color. If you saturate the color by 10%, you get **28.2649, 16.8384, 63.3887**, and if you desaturate by 10%, it is **35.5126, 26.2380, 64.8211**.

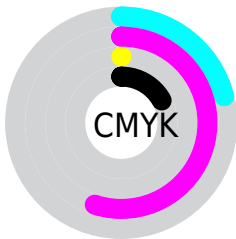
Distribution



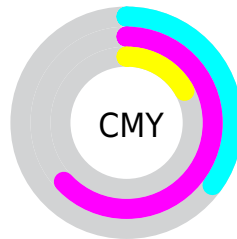
- Red (65%)
- Green (37%)
- Blue (83%)



- Red (65%)
- Yellow (37%)
- Blue (83%)



- Cyan (21%)
- Magenta (55%)
- Yellow (0%)
- Black (17%)



- Cyan (35%)
- Magenta (63%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5760, 20.9946, 64.0161 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 31.5760, 20.9946, 64.0161 by changing the saturation by 10% instead.

■ 31.5760, 20.9946,
64.0161

■ 31.5760, 20.9946,
64.0161

300.9630,
257.2498, 457.4568

■ 21.1918, 13.1201,
46.2174

■ 61.5155, 45.0785,
112.2338

■ 13.3776, 7.5113,
32.0675

■ 81.8015, 62.0567,
143.4900

■ 7.7678, 3.7838,
21.1478

■ 106.1189, 82.8383,
180.0690

■ 3.9973, 1.5534,
13.0398

■ 134.8329,
107.8075, 222.3895

■ 1.7006, 0.3259,
7.3249

168.3090,
137.3489, 270.8700

■ 0.4566, 0.0000,
3.5846

206.9124,

■ 0.0000, 0.0000,

171.8468, 325.9290

1.4003

251.0086,
211.6857, 387.9851

■ 0.0000, 0.0000,
0.1420

■ 0.0000, 0.0000,
0.0000

■ 31.5760, 20.9946,
64.0161

■ 31.5760, 20.9946,
64.0161

■ 28.2649, 16.8384,
63.3887

■ 35.5126, 26.2380,
64.8211

■ 25.5322, 13.6806,
62.9233

■ 40.1121, 32.6429,
65.8149

■ 23.3271, 11.4223,
62.6036

■ 45.4115, 40.2797,
67.0096

■ 21.5873, 9.9414,
62.4094

■ 51.4441, 49.2124,
68.4159

■ 20.8338, 9.3819,
62.3412

■ 58.2412, 59.5004,
70.0434

■ 65.8317, 71.1996,
71.9015

■ 74.2435, 84.3626,
73.9989

■ 80.6294, 93.2928,
75.3860

■ 83.3409, 94.6906,
75.5129

Harmonies

Analogous

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



23.8504, 20.9946, 86.9989



31.5760, 20.9946, 64.0161



36.6873, 20.9946, 34.5890

Triad

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



31.5760, 20.9946, 64.0161



23.7137, 20.9946, 1.9124



9.3061, 20.9946, 35.0499

Complementary

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



31.5760, 20.9946, 64.0161



36.1755, 52.9906, 19.1488

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.



9.2865, 20.9946, 14.1360



31.5760, 20.9946, 64.0161



16.5082, 20.9946, 1.9303

Square

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



31.5760, 20.9946, 64.0161



31.4553, 20.9946, 4.6178



11.6049, 20.9946, 4.7061



11.6670, 20.9946, 64.5238

Rectangle

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



31.5760, 20.9946, 64.0161



37.2908, 20.9946, 19.3942



11.6049, 20.9946, 4.7061



9.0484, 20.9946, 26.7149

Sweetspot

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



31.5768, 20.9954, 64.0166



77.8022, 73.7952, 104.7510



26.0619, 26.3048, 65.3321



16.2262, 15.1594, 22.3208



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.



31.5768, 20.9954, 64.0166



42.5974, 24.8981, 97.1684



41.3120, 26.1761, 57.1522



11.8483, 11.7706, 14.8911



12.6908, 5.7227, 37.6282



0.7970, 0.3650, 2.1080

Inverse Universe

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



35.6903, 23.9274, 27.5488



50.2904, 30.2945, 32.8972



30.6470, 50.0750, 21.8508



11.9959, 11.8831, 13.2540



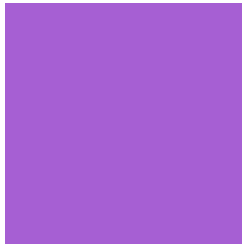
17.1749, 8.7428, 5.8271



0.9987, 0.5042, 0.5282

Previews

White Background



This preview shows how the XYZ color 31.5760, 20.9946, 64.0161 looks on a white background.

Color Contrast Check

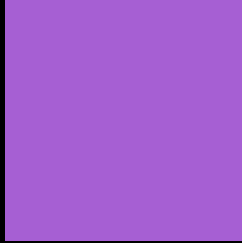
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5760, 20.9946, 64.0161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

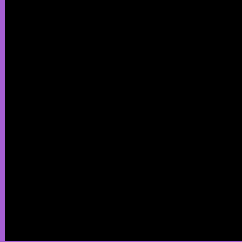
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.5760, 20.9946, 64.0161

Background



This preview shows how black text looks on a background with the XYZ color 31.5760, 20.9946, 64.0161.

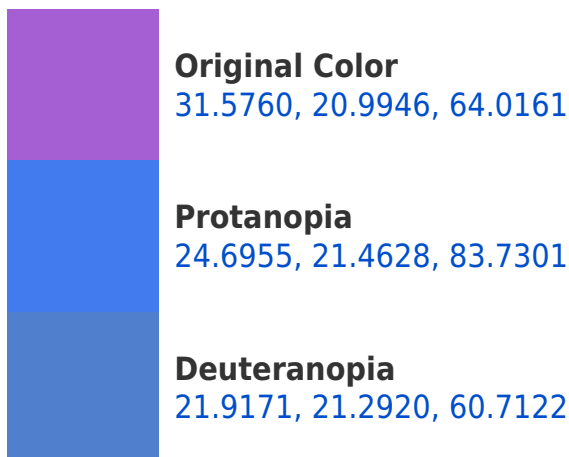


This preview shows how white text looks on a background with the XYZ color 31.5760, 20.9946,

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





Tritanopia

23.0761, 20.9043, 22.5574

Trichromacy



Original Color

31.5760, 20.9946, 64.0161

Protanomaly

25.3882, 20.2365, 75.9667

Deuteranomaly

23.9488, 20.1460, 61.6578

Tritanomaly

25.4591, 20.5397, 34.5210

Monochromacy



Original Color

31.5760, 20.9946, 64.0161

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.7746, 20.9766, 35.5967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5760, 20.9946, 64.0161 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(166, 95, 211)` looks like.

```
.text, #text, p{  
    color:rgb(166, 95, 211)  
}
```

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(166, 95, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 95, 211) }
```

Border

The CSS property to change the border of an element to XYZ 31.5760, 20.9946, 64.0161 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(166, 95, 211) }
```


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

```
.border{ border-color:rgb(166, 95, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 95, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 95, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 95, 211);  
box-shadow:4px 4px 4px 4px rgb(166, 95,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5760, 20.9946, 64.0161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 95, 211) }
```

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

```
.background{ background-color: rgb(166, 95,  
211) }
```

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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