

Converting Colors

XYZ(37.5656, 31.6374, 78.9896)

Have a look what the booklet for
XYZ(37.5656, 31.6374, 78.9896)
contains.

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Color

**XYZ(37.5656, 31.6374,
78.9896)**

Conversions

Conversions Part 1

Format	Color
Hex	9D8CE6
RGB	157, 140, 230
RGB Percent	62%, 55%, 90%
CMY	0.3843, 0.4510, 0.0980
CMYK	0.32, 0.39, 0.00, 0.10
HSL	251°, 64%, 73%
HSV	251°, 39%, 90%
XYZ	37.5656, 31.6374, 78.9896
YIQ	155.3430, -18.7580, 31.5940

Conversions

Conversions Part 2

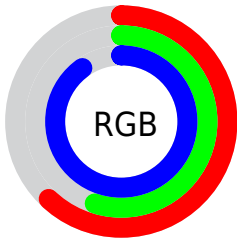
Format	Color
R _Y B	157, 140, 230
Decimal	10325222
CIE Lab	63.04, 26.23, -43.43
CIE LCh	63, 50.737, 301.136
Yxy	31.6374, 0.2535, 0.2135
Android (android.graphics.Color)	4288515302 (0xFF9D8CE6)
YUV	155.3430, 36.8059, 1.4532
Hunter-Lab	56.2471, 20.7818, -43.8898

Details

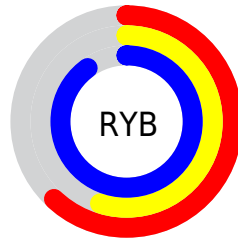
The XYZ color **37.5656, 31.6374, 78.9896** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **60.4715, 72.6338, 35.6445**, and the grayscale version is **31.1565, 32.7790, 35.6964**.

A 20% lighter version of the original color is **65.0733, 60.0997, 102.7784**, and **16.8897, 13.2519, 41.7121** is the 20% darker color. If you saturate the color by 10%, you get **31.1835, 23.8694, 77.8272**, and if you desaturate by 10%, it is **45.2081, 41.0990, 80.4136**.

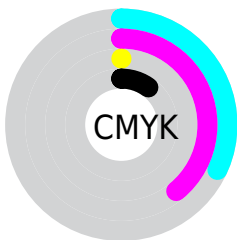
Distribution



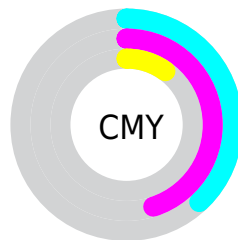
- Red (62%)
- Green (55%)
- Blue (90%)



- Red (62%)
- Yellow (55%)
- Blue (90%)



- Cyan (32%)
- Magenta (39%)
- Yellow (0%)
- Black (10%)



- Cyan (38%)
- Magenta (45%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5656, 31.6374, 78.9896 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 37.5656, 31.6374, 78.9896 by changing the saturation by 10% instead.

■ 37.5656, 31.6374,
78.9896

■ 37.5656, 31.6374,
78.9896

327.0660,
309.4642, 511.1378

■ 25.8214, 21.0847,
58.3660

■ 70.7500, 62.2422,
133.7428

■ 16.8220, 13.1859,
41.6863

■ 92.9210, 83.0631,
168.7094

■ 10.2022, 7.5567,
28.5320

■ 119.2982,
108.0755, 209.2941

■ 5.5965, 3.8126,
18.4846

150.2470,
137.6638, 255.9154

■ 2.6396, 1.5693,
11.1254

186.1329,
172.2125, 308.9919

■ 0.9662, 0.3368,
6.0360

227.3211,

■ 0.0000, 0.0000,

212.1058, 368.9421

2.7978

274.1770,
257.7282, 436.1846

■ 0.0000, 0.0000,
0.9924

■ 0.0000, 0.0000,
0.0000

■ 37.5656, 31.6374,
78.9896

■ 37.5656, 31.6374,
78.9896

■ 31.1835, 23.8694,
77.8272

■ 45.2081, 41.0990,
80.4136

■ 25.9891, 17.6902,
76.9082

■ 54.1714, 52.3432,
82.1116

■ 21.9074, 12.9888,
76.2159

■ 64.5159, 65.4572,
84.0976

■ 18.8530, 9.6383,
75.7302

■ 76.2976, 80.5212,
86.3843

■ 16.7273, 7.4894,
75.4274

■ 89.5679, 97.6090,
88.9832

■ 15.3901, 6.3162,
75.2715

■ 91.2830, 98.4932,
89.0634

■ 15.2981, 6.2365,
75.2609

Harmonies

Analogous

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



30.3376, 31.6374, 89.0108



37.5656, 31.6374, 78.9896



43.4370, 31.6374, 56.5589

Triad

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



37.5656, 31.6374, 78.9896



37.0330, 31.6374, 10.5448



18.5393, 31.6374, 35.2162

Complementary

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



37.5656, 31.6374, 78.9896



60.4715, 72.6338, 35.6445

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.



19.7727, 31.6374, 19.0127



37.5656, 31.6374, 78.9896



29.8048, 31.6374, 8.5224

Square

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



37.5656, 31.6374, 78.9896



43.0975, 31.6374, 18.1374



23.6450, 31.6374, 10.8951



19.9748, 31.6374, 58.4178

Rectangle

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



37.5656, 31.6374, 78.9896



45.3933, 31.6374, 40.7229



23.6450, 31.6374, 10.8951



18.6538, 31.6374, 28.8528

Sweetspot

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



37.5668, 31.6386, 78.9903



77.5043, 77.5994, 105.5010



49.0192, 59.1299, 83.6931



16.2145, 16.1340, 22.5095



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.



37.5668, 31.6386, 78.9903



40.7941, 31.8376, 98.6029



47.8839, 36.9573, 79.4732



13.8356, 14.0175, 18.1208



8.7366, 3.5698, 42.6117



0.7181, 0.3012, 3.1523

Inverse Universe

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



54.0221, 40.3842, 67.8987



64.5417, 44.4765, 81.7959



49.2864, 66.8676, 35.1211



14.8722, 14.5661, 17.5275



23.5691, 11.5618, 27.6894



1.7719, 0.8665, 2.2053

Previews

White Background



This preview shows how the XYZ color 37.5656, 31.6374, 78.9896 looks on a white background.

Color Contrast Check

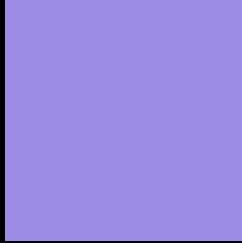
Large Text (above 18pt) WCAG AA × Fail

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 37.5656, 31.6374, 78.9896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

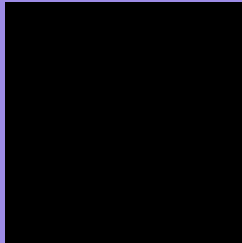
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.5656, 31.6374, 78.9896

Background



This preview shows how black text looks on a background with the XYZ color 37.5656, 31.6374, 78.9896.



This preview shows how white text looks on a background with the XYZ color 37.5656, 31.6374,

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

37.5656, 31.6374, 78.9896

Protanopia

34.0847, 31.9788, 85.2650

Deuteranopia

32.8396, 31.9798, 77.8407



Tritanopia

29.9401, 31.7937, 40.6352

Trichromacy



Original Color

37.5656, 31.6374, 78.9896

Protanomaly

34.9471, 31.5425, 82.8437

Deuteranomaly

34.4056, 31.8235, 78.4579

Tritanomaly

32.3272, 31.5586, 52.5317

Monochromacy



Original Color

37.5656, 31.6374, 78.9896

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.0601, 32.2580, 48.7399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5656, 31.6374, 78.9896 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(157, 140, 230)` looks like.

```
.text, #text, p{  
    color:rgb(157, 140, 230)  
}
```

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(157, 140, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 140, 230) }
```

Border

The CSS property to change the border of an element to XYZ 37.5656, 31.6374, 78.9896 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(157, 140, 230) }
```


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

```
.border{ border-color:rgb(157, 140, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 140, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 140, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 140, 230);  
box-shadow:4px 4px 4px 4px rgb(157, 140,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5656, 31.6374, 78.9896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 140, 230) }
```

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

```
.background{ background-color: rgb(157,  
140, 230) }
```

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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