

Converting Colors

XYZ(31.7003, 23.6724, 97.5062)

Have a look what the booklet for
XYZ(31.7003, 23.6724, 97.5062)
contains.

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Color

**XYZ(31.7474, 23.7245,
97.5138)**

Conversions

Conversions Part 1

Format	Color
Hex	7575FF
RGB	117, 117, 255
RGB Percent	46%, 46%, 100%
CMY	0.5412, 0.5412, 0.0000
CMYK	0.54, 0.54, 0.00, 0.00
HSL	240°, 100%, 73%
HSV	240°, 54%, 100%
XYZ	31.7474, 23.7245, 97.5138
YIQ	132.7320, -44.2980, 42.9180

Conversions

Conversions Part 2

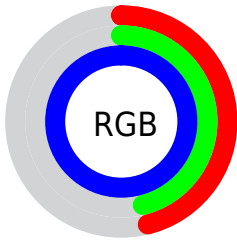
Format	Color
RYB	117, 117, 255
Decimal	7697919
CIELab	55.81, 37.39, -68.97
CIElCh	56, 78.452, 298.462
Yxy	23.7245, 0.2075, 0.1551
Android (android.graphics.Color)	4285887999 (0xFF7575FF)
YUV	132.7320, 60.2781, -13.7970
Hunter-Lab	48.7078, 31.1064, -84.6041

Details

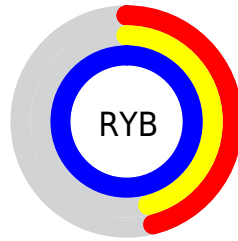
The XYZ color **31.7474, 23.7245, 97.5138** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **80.2090, 94.0634, 30.7585**, and the grayscale version is **21.9977, 23.1433, 25.2030**.

A 20% lighter version of the original color is **50.5981, 45.0609, 100.6386**, and **13.4728, 8.9404, 53.8389** is the 20% darker color. If you saturate the color by 10%, you get **26.1986, 17.0382, 96.5156**, and if you desaturate by 10%, it is **39.0400, 32.5110, 98.8254**.

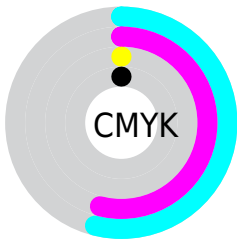
Distribution



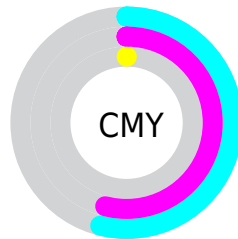
- Red (46%)
- Green (46%)
- Blue (100%)



- Red (46%)
- Yellow (46%)
- Blue (100%)



- Cyan (54%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7474, 23.7245, 97.5138 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 31.7474, 23.7245, 97.5138 by changing the saturation by 10% instead.

■ 31.7474, 23.7245,
97.5138

■ 31.7474, 23.7245,
97.5138

301.7327,
271.4247, 573.3703

■ 21.3232, 15.1294,
73.6206

■ 61.7828, 49.5802,
159.7583

■ 13.4743, 8.9102,
53.9886

■ 82.1247, 67.6097,
198.9467

■ 7.8352, 4.6827,
38.1995

■ 106.5032, 89.5526,
244.0705

■ 4.0406, 2.0623,
25.8345

135.2837,
115.7936, 295.5483

■ 1.7251, 0.6433,
16.4752

168.8316,
146.7168, 353.7987

■ 0.4719, 0.0000,
9.7031

207.5121,

■ 0.0000, 0.0000,

182.7069, 419.2401

5.0995

251.6907,
224.1480, 492.2911

■ 0.0000, 0.0000,
2.2460

■ 0.0000, 0.0000,
0.7007

■ 31.7474, 23.7245,
97.5138

■ 31.7474, 23.7245,
97.5138

■ 26.1986, 17.0382,
96.5156

■ 39.0400, 32.5110,
98.8254

■ 22.2456, 12.2751,
95.8046

■ 48.2022, 43.5510,
100.4734

■ 19.7208, 9.2330,
95.3505

■ 59.3518, 56.9856,
102.4789

■ 18.4180, 7.6633,
95.1162

■ 72.5959, 72.9440,
104.8611

■ 18.0501, 7.2201,
95.0500

■ 88.0341, 91.5462,
107.6380

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.0923, 23.7245, 112.5748



31.7474, 23.7245, 97.5138



40.5466, 23.7245, 60.9699

Triad

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



31.7474, 23.7245, 97.5138



32.7593, 23.7245, 2.5137



9.3856, 23.7245, 24.5362

Complementary

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



31.7474, 23.7245, 97.5138



80.2090, 94.0634, 30.7585

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.



10.8656, 23.7245, 7.7195



31.7474, 23.7245, 97.5138



23.0128, 23.7245, 1.2726

Square

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



31.7474, 23.7245, 97.5138



41.2310, 23.7245, 8.7856



15.3255, 23.7245, 2.2450



10.5852, 23.7245, 57.0118

Rectangle

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



31.7474, 23.7245, 97.5138



43.8659, 23.7245, 36.9511



15.3255, 23.7245, 2.2450



9.5766, 23.7245, 17.2024

Sweetspot

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



31.7484, 23.7252, 97.5138



69.9377, 69.7409, 104.3830



61.1463, 82.5220, 107.3133



14.3663, 14.2006, 22.2337



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.



31.7484, 23.7252, 97.5138



25.7877, 16.5430, 96.4417



44.6612, 30.3820, 98.1181



17.0032, 17.3778, 22.7080



9.4316, 3.7727, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

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



65.6505, 41.2025, 99.0959



62.8822, 35.6660, 98.1722



59.2208, 83.2435, 29.7763



18.7927, 18.3004, 22.7916



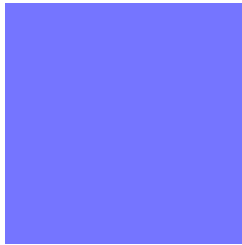
30.9795, 14.8811, 50.6698



3.0164, 1.4489, 4.9336

Previews

White Background



This preview shows how the XYZ color 31.7474, 23.7245, 97.5138 looks on a white background.

Color Contrast Check

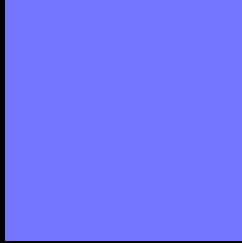
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7474, 23.7245, 97.5138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

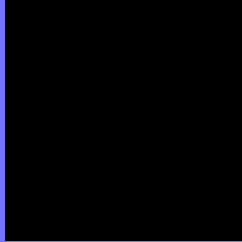
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.7474, 23.7245, 97.5138

Background



This preview shows how black text looks on a background with the XYZ color 31.7474, 23.7245, 97.5138.



This preview shows how white text looks on a background with the XYZ color 31.7474, 23.7245,

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

31.7474, 23.7245, 97.5138

Protanopia

27.8247, 23.9126, 97.7568

Deuteranopia

24.3841, 23.8403, 84.9778



Tritanopia

19.1349, 23.7719, 34.1518

Trichromacy



Original Color

31.7474, 23.7245, 97.5138

Protanomaly

28.7770, 23.6366, 97.6533

Deuteranomaly

25.3279, 22.8067, 89.4534

Tritanomaly

22.6484, 23.2447, 52.5832

Monochromacy



Original Color

31.7474, 23.7245, 97.5138

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.2776, 22.8651, 44.7288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7474, 23.7245, 97.5138 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(117, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 117, 255)  
}
```

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(117, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.7474, 23.7245, 97.5138 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(117, 117, 255) }
```


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

```
.border{ border-color:rgb(117, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 117,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7474, 23.7245, 97.5138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 117, 255) }
```

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

```
.background{ background-color: rgb(117,  
117, 255) }
```

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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