

Converting Colors

XYZ(42.1638, 27.3214,
150.2185)

Have a look what the booklet for
XYZ(42.1638, 27.3214, 150.2185)
contains.

XYZ(32.1235, 23.2412, 97.4006)	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(32.1235, 23.2412,
97.4006)**

Conversions

Conversions Part 1

Format	Color
Hex	7B71FF
RGB	123, 113, 255
RGB Percent	48%, 44%, 100%
CMY	0.5176, 0.5569, 0.0000
CMYK	0.52, 0.56, 0.00, 0.00
HSL	244°, 100%, 72%
HSV	244°, 56%, 100%
XYZ	32.1235, 23.2412, 97.4006
YIQ	132.1780, -39.6220, 46.2820

Conversions

Conversions Part 2

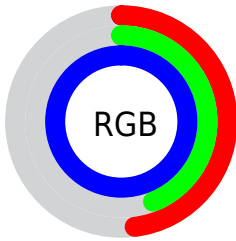
Format	Color
RYB	123, 113, 255
Decimal	8090111
CIELab	55.32, 40.87, -69.74
CIElCh	55, 80.834, 300.371
Yxy	23.2412, 0.2103, 0.1521
Android (android.graphics.Color)	4286280191 (0xFF7B71FF)
YUV	132.1780, 60.5512, -8.0491
Hunter-Lab	48.2091, 34.5751, -86.0417

Details

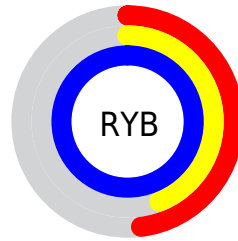
The XYZ color **32.1235, 23.2412, 97.4006** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.3950, 92.1238, 29.3783**, and the grayscale version is **21.7960, 22.9311, 24.9719**.

A 20% lighter version of the original color is **51.0336, 44.1975, 100.4490**, and **13.7133, 8.7114, 53.7820** is the 20% darker color. If you saturate the color by 10%, you get **26.6777, 16.7875, 96.4420**, and if you desaturate by 10%, it is **39.1911, 31.7173, 98.6642**.

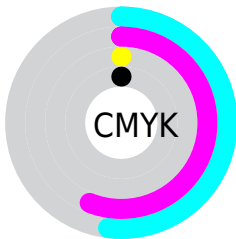
Distribution



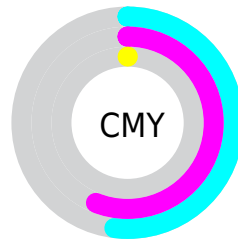
- Red (48%)
- Green (44%)
- Blue (100%)



- Red (48%)
- Yellow (44%)
- Blue (100%)



- Cyan (52%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1235, 23.2412, 97.4006 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 32.1235, 23.2412, 97.4006 by changing the saturation by 10% instead.

■ 32.1235, 23.2412,
97.4006

■ 32.1235, 23.2412,
97.4006

303.4168,
268.9614, 573.0015

■ 21.6119, 14.7717,
73.5267

■ 62.3685, 48.7891,
159.6010

■ 13.6870, 8.6593,
53.9123

■ 82.8326, 66.6362,
198.7646

■ 7.9835, 4.5196,
38.1389

■ 107.3449, 88.3781,
243.8618

■ 4.1361, 1.9683,
25.7878

■ 136.2708,
114.3990, 295.3112

■ 1.7794, 0.5889,
16.4406

169.9755,
145.0834, 353.5313

■ 0.5052, 0.0000,
9.6788

208.8245,

■ 0.0000, 0.0000,

180.8157, 418.9407

5.0837

253.1832,
221.9802, 491.9579

■ 0.0000, 0.0000,
2.2369

■ 0.0000, 0.0000,
0.6955

■ 32.1235, 23.2412,
97.4006

■ 32.1235, 23.2412,
97.4006

■ 26.6777, 16.7875,
96.4420

■ 39.1911, 31.7173,
98.6642

■ 22.7215, 12.1855,
95.7622

■ 47.9926, 42.3634,
100.2552

■ 20.1070, 9.2396,
95.3314

■ 58.6335, 55.3158,
102.1944

■ 18.6539, 7.7090,
95.1126

■ 71.2101, 70.6989,
104.5008

■ 18.2988, 7.3483,
95.0616

■ 85.8120, 88.6284,
107.1920

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.



22.2030, 23.2412, 115.2042



32.1235, 23.2412, 97.4006



40.9631, 23.2412, 58.8659

Triad

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



32.1235, 23.2412, 97.4006



31.8736, 23.2412, 1.9922



8.8450, 23.2412, 25.6298

Complementary

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



32.1235, 23.2412, 97.4006



76.3950, 92.1238, 29.3783

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.



10.1413, 23.2412, 7.7828



32.1235, 23.2412, 97.4006



21.9776, 23.2412, 1.0180

Square

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



32.1235, 23.2412, 97.4006



40.7932, 23.2412, 7.5308



14.3992, 23.2412, 2.0521



10.2085, 23.2412, 59.8528

Rectangle

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



32.1235, 23.2412, 97.4006



44.1089, 23.2412, 34.6054



14.3992, 23.2412, 2.0521



8.9789, 23.2412, 17.8420

Sweetspot

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



32.1245, 23.2419, 97.4007



69.4437, 68.5345, 104.1762



57.6742, 76.3588, 106.3067



14.3002, 13.9790, 22.1945



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.



32.1245, 23.2419, 97.4007



26.0757, 16.0810, 96.3373



46.0668, 30.4294, 98.0532



17.1215, 17.4389, 22.7136



9.6046, 3.8618, 49.6738



0.9745, 0.3963, 4.8384

Inverse Universe

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



63.6258, 39.6627, 90.6842



60.5939, 34.0927, 88.1507



56.3154, 81.7724, 28.4386



18.7342, 18.2770, 22.4832



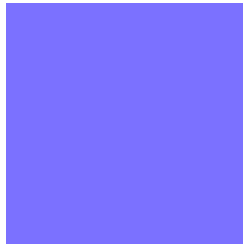
29.5620, 14.3141, 43.2056



2.8943, 1.4001, 4.2906

Previews

White Background



This preview shows how the XYZ color 32.1235, 23.2412, 97.4006 looks on a white background.

Color Contrast Check

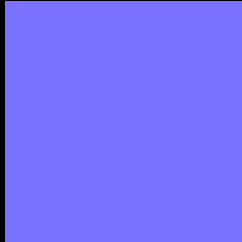
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.1235, 23.2412, 97.4006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

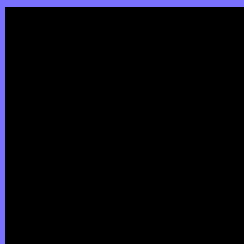
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.1235, 23.2412, 97.4006

Background



This preview shows how black text looks on a background with the XYZ color 32.1235, 23.2412, 97.4006.



This preview shows how white text looks on a background with the XYZ color 32.1235, 23.2412,

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

32.1235, 23.2412, 97.4006

Protanopia

27.4001, 23.4991, 97.6994

Deuteranopia

23.8043, 23.3841, 82.6158



Tritanopia

19.1804, 23.1642, 32.7384

Trichromacy



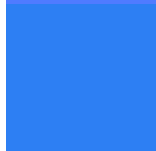
Original Color

32.1235, 23.2412, 97.4006



Protanomaly

28.4412, 23.0914, 97.5658



Deuteranomaly

24.8492, 22.2077, 87.7708



Tritanomaly

22.6474, 22.4642, 51.2865

Monochromacy



Original Color

32.1235, 23.2412, 97.4006



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

24.3227, 22.5087, 44.6576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.1235, 23.2412, 97.4006 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(123, 113, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 113, 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(123, 113, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 113, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.1235, 23.2412, 97.4006 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(123, 113, 255) }
```


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

```
.border{ border-color:rgb(123, 113, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 113, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 113, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 113, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 113,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.1235, 23.2412, 97.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 113, 255) }
```

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

```
.background{ background-color: rgb(123,  
113, 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](#).

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