

Converting Colors

XYZ(32.6016, 24.2168, 97.5638)

Have a look what the booklet for
XYZ(32.6016, 24.2168, 97.5638)
contains.

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Color

**XYZ(32.5797, 24.1535,
97.5527)**

Conversions

Conversions Part 1

Format	Color
Hex	7B75FF
RGB	123, 117, 255
RGB Percent	48%, 46%, 100%
CMY	0.5176, 0.5412, 0.0000
CMYK	0.52, 0.54, 0.00, 0.00
HSL	243°, 100%, 73%
HSV	243°, 54%, 100%
XYZ	32.5797, 24.1535, 97.5527
YIQ	134.5260, -40.7220, 44.1900

Conversions

Conversions Part 2

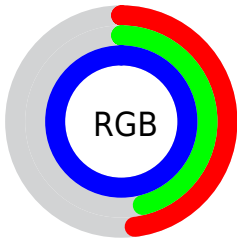
Format	Color
RYB	123, 117, 255
Decimal	8091135
CIELab	56.24, 38.54, -68.25
CIElCh	56, 78.382, 299.451
Yxy	24.1535, 0.2112, 0.1566
Android (android.graphics.Color)	4286281215 (0xFF7B75FF)
YUV	134.5260, 59.3937, -10.1083
Hunter-Lab	49.1462, 32.3242, -83.2853

Details

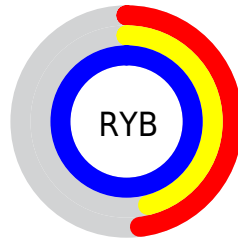
The XYZ color **32.5797, 24.1535, 97.5527** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **78.0358, 92.9430, 30.6567**, and the grayscale version is **22.6532, 23.8330, 25.9541**.

A 20% lighter version of the original color is **51.7664, 45.6632, 100.6932**, and **13.8901, 9.0650, 53.8410** is the 20% darker color. If you saturate the color by 10%, you get **26.9378, 17.4192, 96.5502**, and if you desaturate by 10%, it is **39.9016, 32.9552, 98.8657**.

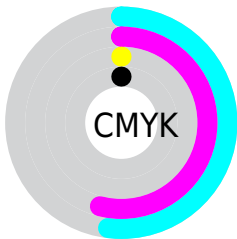
Distribution



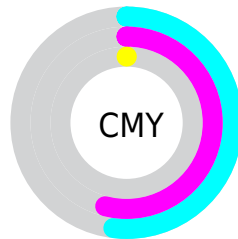
- Red (48%)
- Green (46%)
- Blue (100%)



- Red (48%)
- Yellow (46%)
- Blue (100%)



- Cyan (52%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5797, 24.1535, 97.5527 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 32.5797, 24.1535, 97.5527 by changing the saturation by 10% instead.

■ 32.5797, 24.1535,
97.5527

■ 32.5797, 24.1535,
97.5527

305.4502,
273.5956, 573.4971

■ 21.9624, 15.4475,
73.6528

■ 63.0779, 50.2806,
159.8124

■ 13.9457, 9.1341,
54.0149

■ 83.6894, 68.4705,
199.0092

■ 8.1643, 4.8287,
38.2203

■ 108.3630, 90.5904,
244.1422

■ 4.2530, 2.1471,
25.8505

137.4641,
117.0249, 295.6298

■ 1.8462, 0.6909,
16.4871

171.3580,
148.1583, 353.8905

■ 0.5453, 0.0000,
9.7114

210.4101,

■ 0.0000, 0.0000,

184.3749, 419.3429

5.1049

254.9857,
226.0592, 492.4056

■ 0.0000, 0.0000,
2.2492

■ 0.0000, 0.0000,
0.7025

■ 32.5797, 24.1535,
97.5527

■ 32.5797, 24.1535,
97.5527

■ 26.9378, 17.4192,
96.5502

■ 39.9016, 32.9552,
98.8657

■ 22.8398, 12.5814,
95.8324

■ 49.0193, 43.9721,
100.5116

■ 20.1331, 9.4455,
95.3698

■ 60.0420, 57.3413,
102.5112

■ 18.6328, 7.7741,
95.1262

■ 73.0690, 73.1878,
104.8832

■ 18.1893, 7.2918,
95.0565

■ 88.1930, 91.6280,
107.6455

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.



22.7915, 24.1535, 113.7429



32.5797, 24.1535, 97.5527



41.3577, 24.1535, 60.4676

Triad

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



32.5797, 24.1535, 97.5527



32.9443, 24.1535, 2.5273



9.6189, 24.1535, 25.8263

Complementary

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



32.5797, 24.1535, 97.5527



78.0358, 92.9430, 30.6567

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.



11.0298, 24.1535, 8.2744



32.5797, 24.1535, 97.5527



23.1237, 24.1535, 1.3400

Square

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



32.5797, 24.1535, 97.5527



41.6041, 24.1535, 8.6614



15.4446, 24.1535, 2.4289



10.9282, 24.1535, 59.0438

Rectangle

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



32.5797, 24.1535, 97.5527



44.5663, 24.1535, 36.4762



15.4446, 24.1535, 2.4289



9.7835, 24.1535, 18.2163

Sweetspot

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



32.5807, 24.1542, 97.5528



70.4589, 70.0097, 104.4074



59.6963, 79.6221, 106.8300



14.4883, 14.2635, 22.2395



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.



32.5807, 24.1542, 97.5528



26.5160, 16.9185, 96.4758



45.7969, 30.9674, 98.1713



17.0761, 17.4154, 22.7115



9.5357, 3.8263, 49.6705



0.9530, 0.3852, 4.8374

Inverse Universe

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



64.6994, 40.8220, 94.0871



61.7434, 35.2105, 92.1754



58.1210, 82.6766, 29.7247



18.7565, 18.2859, 22.6009



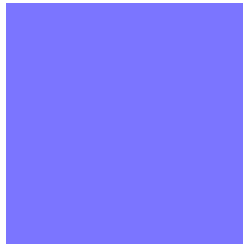
30.0884, 14.5247, 45.9774



2.9398, 1.4183, 4.5302

Previews

White Background



This preview shows how the XYZ color 32.5797, 24.1535, 97.5527 looks on a white background.

Color Contrast Check

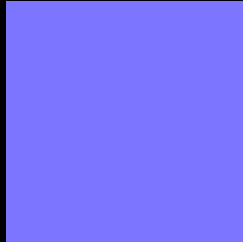
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.5797, 24.1535, 97.5527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

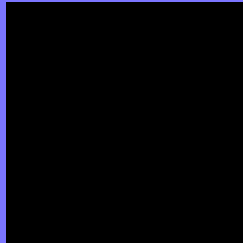
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.5797, 24.1535, 97.5527

Background



This preview shows how black text looks on a background with the XYZ color 32.5797, 24.1535, 97.5527.



This preview shows how white text looks on a background with the XYZ color 32.5797, 24.1535,

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

32.5797, 24.1535, 97.5527

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

24.8228, 24.2422, 86.5900



Tritanopia

19.9696, 24.2022, 34.1908

Trichromacy



Original Color

32.5797, 24.1535, 97.5527

Protanomaly

29.1299, 23.8185, 97.6699

Deuteranomaly

25.6994, 23.1770, 90.3079

Tritanomaly

23.5226, 23.6953, 52.6241

Monochromacy



Original Color

32.5797, 24.1535, 97.5527

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.2159, 23.5183, 45.8583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5797, 24.1535, 97.5527 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, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 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(123, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 255) }
```

Border

The CSS property to change the border of an element to XYZ 32.5797, 24.1535, 97.5527 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, 117, 255) }
```


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

```
.border{ border-color:rgb(123, 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(123, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5797, 24.1535, 97.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 255) }
```

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

```
.background{ background-color: rgb(123,  
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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