

Converting Colors

XYZ(31.6424, 25.9925, 75.3302)

Have a look what the booklet for
XYZ(31.6424, 25.9925, 75.3302)
contains.

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Color

**XYZ(31.6334, 25.9881,
75.3005)**

Conversions

Conversions Part 1

Format	Color
Hex	897FE2
RGB	137, 127, 226
RGB Percent	54%, 50%, 89%
CMY	0.4627, 0.5020, 0.1137
CMYK	0.39, 0.44, 0.00, 0.11
HSL	246°, 63%, 69%
HSV	246°, 44%, 89%
XYZ	31.6334, 25.9881, 75.3005
YIQ	141.2760, -25.8190, 32.9090

Conversions

Conversions Part 2

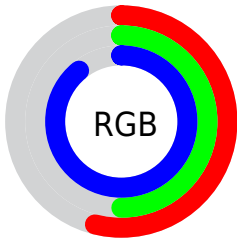
Format	Color
RYB	137, 127, 226
Decimal	9011170
CIELab	58.03, 27.43, -49.23
CIELCh	58, 56.358, 299.119
Yxy	25.9881, 0.2380, 0.1955
Android (android.graphics.Color)	4287201250 (0xFF897FE2)
YUV	141.2760, 41.7689, -3.7501
Hunter-Lab	50.9785, 21.5511, -51.8924

Details

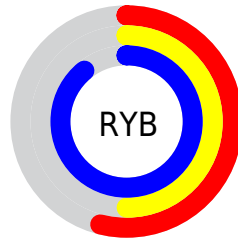
The XYZ color **31.6334, 25.9881, 75.3005** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.3460, 70.5242, 30.5641**, and the grayscale version is **25.2750, 26.5913, 28.9579**.

A 20% lighter version of the original color is **56.6194, 51.3319, 101.5316**, and **13.4598, 10.1449, 39.2790** is the 20% darker color. If you saturate the color by 10%, you get **26.0126, 19.2331, 74.2934**, and if you desaturate by 10%, it is **38.5379, 34.3774, 76.5564**.

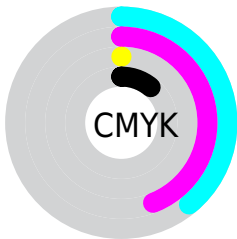
Distribution



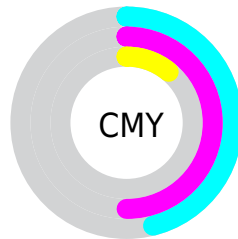
- Red (54%)
- Green (50%)
- Blue (89%)



- Red (54%)
- Yellow (50%)
- Blue (89%)



- Cyan (39%)
- Magenta (44%)
- Yellow (0%)
- Black (11%)



- Cyan (46%)
- Magenta (50%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6334, 25.9881, 75.3005 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 31.6334, 25.9881, 75.3005 by changing the saturation by 10% instead.

■ 31.6334, 25.9881,
75.3005

■ 31.6334, 25.9881,
75.3005

301.2209,
282.7237, 498.2327

■ 21.2358, 16.8147,
55.3559

■ 61.6050, 53.2557,
128.4886

■ 13.4099, 10.1025,
39.2862

■ 81.9098, 72.1188,
162.5693

■ 7.7904, 5.4670,
26.6729

■ 106.2476, 94.9806,
202.1990

■ 4.0118, 2.5238,
17.0975

134.9839,
122.2255, 247.7963

■ 1.7088, 0.8885,
10.1413

168.4841,
154.2378, 299.7798

■ 0.4618, 0.0000,
5.3859

207.1134,

■ 0.0000, 0.0000,

191.4020, 358.5680

2.4128

251.2372,
234.1025, 424.5795

■ 0.0000, 0.0000,
0.7934

■ 0.0000, 0.0000,
0.0000

■ 31.6334, 25.9881,
75.3005

■ 31.6334, 25.9881,
75.3005

■ 26.0126, 19.2331,
74.2934

■ 38.5379, 34.3774,
76.5564

■ 21.5929, 14.0027,
73.5168

■ 46.7957, 44.4953,
78.0741

■ 18.2867, 10.1785,
72.9529

■ 56.4751, 56.4323,
79.8680

■ 15.9930, 7.6227,
72.5805

■ 67.6389, 70.2717,
81.9509

■ 14.5921, 6.1699,
72.3739

■ 80.3460, 86.0918,
84.3347

■ 14.0771, 5.6712,
72.3048

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



24.5003, 25.9881, 84.7608



31.6334, 25.9881, 75.3005



37.7230, 25.9881, 52.2254

Triad

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



31.6334, 25.9881, 75.3005



32.0460, 25.9881, 6.7774



13.7890, 25.9881, 27.7244

Complementary

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



31.6334, 25.9881, 75.3005



59.3460, 70.5242, 30.5641

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.



15.0845, 25.9881, 13.0884



31.6334, 25.9881, 75.3005



24.9026, 25.9881, 4.9290

Square

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



31.6334, 25.9881, 75.3005



37.9903, 25.9881, 13.6943



18.8633, 25.9881, 6.5577



14.9402, 25.9881, 50.7384

Rectangle

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



31.6334, 25.9881, 75.3005



39.9126, 25.9881, 35.9785



18.8633, 25.9881, 6.5577



13.9481, 25.9881, 21.7943

Sweetspot

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



31.6344, 25.9890, 75.3011



75.2449, 75.4225, 105.1999



47.0620, 59.1667, 80.8919



15.4581, 15.3431, 22.3967



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.



31.6344, 25.9890, 75.3011



34.5011, 25.6446, 97.7392



41.6646, 31.1598, 75.7705



13.0799, 13.3092, 17.2672



8.0768, 3.2591, 41.2517



0.6041, 0.2487, 2.8614

Inverse Universe

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



51.3484, 36.3060, 69.2663



63.8673, 41.0284, 88.0431



46.8798, 64.0977, 29.9807



14.2322, 13.9105, 16.9930



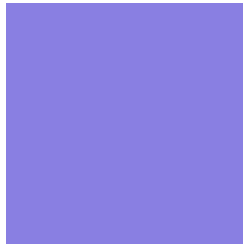
24.0797, 11.6989, 33.4151



1.6866, 0.8179, 2.4082

Previews

White Background



This preview shows how the XYZ color 31.6334, 25.9881, 75.3005 looks on a white background.

Color Contrast Check

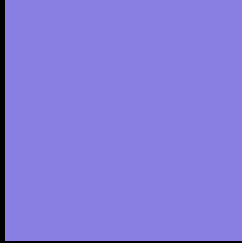
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.6334, 25.9881, 75.3005 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

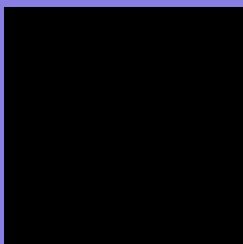
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.6334, 25.9881, 75.3005

Background



This preview shows how black text looks on a background with the XYZ color 31.6334, 25.9881, 75.3005.



This preview shows how white text looks on a background with the XYZ color 31.6334, 25.9881,

75.3005.

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

31.6334, 25.9881, 75.3005

Protanopia

28.6924, 26.1455, 81.3762

Deuteranopia

27.0118, 26.3080, 73.4663



Tritanopia

23.4009, 25.9711, 34.3514

Trichromacy



Original Color

31.6334, 25.9881, 75.3005

Protanomaly

29.4934, 25.9893, 79.0633

Deuteranomaly

28.3029, 25.8979, 74.0281

Tritanomaly

25.7881, 25.6222, 46.7664

Monochromacy



Original Color

31.6334, 25.9881, 75.3005

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

27.0658, 26.1623, 42.6530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6334, 25.9881, 75.3005 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(137, 127, 226)` looks like.

```
.text, #text, p{  
    color:rgb(137, 127, 226)  
}
```

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(137, 127, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 127, 226) }
```

Border

The CSS property to change the border of an element to XYZ 31.6334, 25.9881, 75.3005 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(137, 127, 226) }
```


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

```
.border{ border-color:rgb(137, 127, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 127, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 127, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 127, 226); box-shadow:4px 4px 4px 4px rgb(137, 127, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6334, 25.9881, 75.3005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 127, 226) }
```

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

```
.background{ background-color: rgb(137,  
127, 226) }
```

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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