

Converting Colors

XYZ(31.4515, 24.0524, 91.7964)

Have a look what the booklet for
XYZ(31.4515, 24.0524, 91.7964)
contains.

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Color

**XYZ(31.4253, 24.0359,
91.7900)**

Conversions

Conversions Part 1

Format	Color
Hex	7977F8
RGB	121, 119, 248
RGB Percent	47%, 47%, 97%
CMY	0.5255, 0.5333, 0.0274
CMYK	0.51, 0.52, 0.00, 0.03
HSL	241°, 90%, 72%
HSV	241°, 52%, 97%
XYZ	31.4253, 24.0359, 91.7900
YIQ	134.3040, -40.2170, 40.5430

Conversions

Conversions Part 2

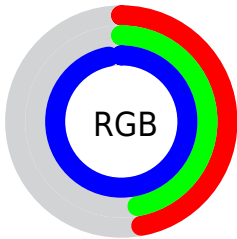
Format	Color
R _Y B	121, 119, 248
Decimal	7960568
CIE Lab	56.12, 34.86, -64.58
CIE LCh	56, 73.391, 298.361
Yxy	24.0359, 0.2134, 0.1632
Android (android.graphics.Color)	4286150648 (0xFF7977F8)
YUV	134.3040, 56.0521, -11.6676
Hunter-Lab	49.0264, 28.6199, -76.6875

Details

The XYZ color **31.4253, 24.0359, 91.7900** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.9018, 88.0591, 30.5025**, and the grayscale version is **22.5836, 23.7597, 25.8743**.

A 20% lighter version of the original color is **51.4353, 46.0491, 100.7852**, and **13.3446, 9.1379, 50.3507** is the 20% darker color. If you saturate the color by 10%, you get **25.8504, 17.3376, 90.7915**, and if you desaturate by 10%, it is **38.6379, 32.7217, 93.0869**.

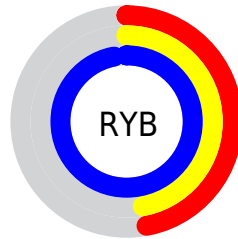
Distribution



Red (47%)

Green (47%)

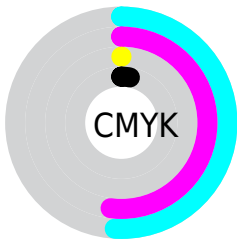
Blue (97%)



Red (47%)

Yellow (47%)

Blue (97%)

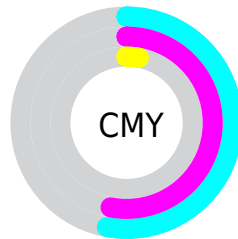


Cyan (51%)

Magenta (52%)

Yellow (0%)

Black (3%)



Cyan (53%)

Magenta (53%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4253, 24.0359, 91.7900 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 31.4253, 24.0359, 91.7900 by changing the saturation by 10% instead.

■ 31.4253, 24.0359,
91.7900

■ 31.4253, 24.0359,
91.7900

300.2849,
273.0019, 554.5563

■ 21.0763, 15.3603,
68.8842

■ 61.2803, 50.0888,
151.7795

■ 13.2926, 9.0726,
50.1462

■ 81.5171, 68.2348,
189.7002

■ 7.7087, 4.7886,
35.1576

■ 105.7806, 90.3064,
233.4629

■ 3.9594, 2.1238,
23.4998

134.4360,
116.6880, 283.4863

■ 1.6792, 0.6779,
14.7542

167.8488,
147.7639, 340.1887

■ 0.4432, 0.0000,
8.5024

206.3843,

■ 0.0000, 0.0000,

183.9186, 403.9889

4.3257

250.4079,
225.5365, 475.3052

■ 0.0000, 0.0000,
1.8057

■ 0.0000, 0.0000,
0.4317

■ 31.4253, 24.0359,
91.7900

■ 31.4253, 24.0359,
91.7900

■ 25.8504, 17.3376,
90.7915

■ 38.6379, 32.7217,
93.0869

■ 21.7820, 12.4676,
90.0659

■ 47.5993, 43.5328,
94.7014

■ 19.0744, 9.2464,
89.5868

■ 58.4145, 56.5974,
96.6530

■ 17.5514, 7.4570,
89.3217

■ 71.1796, 72.0327,
98.9596

■ 16.9916, 6.8022,
89.2248

■ 85.9838, 89.9481,
101.6373

■ 93.9434, 99.5573,
103.0726

Harmonies

Analogous

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



22.3857, 24.0359, 105.1890



31.4253, 24.0359, 91.7900



39.5745, 24.0359, 58.7802

Triad

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



31.4253, 24.0359, 91.7900



32.4272, 24.0359, 3.2231



10.1886, 24.0359, 24.8678

Complementary

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



31.4253, 24.0359, 91.7900



74.9018, 88.0591, 30.5025

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.



11.6536, 24.0359, 8.6126



31.4253, 24.0359, 91.7900



23.3113, 24.0359, 1.8044

Square

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



31.4253, 24.0359, 91.7900



40.2457, 24.0359, 9.7538



15.9893, 24.0359, 2.9060



11.3606, 24.0359, 54.9302

Rectangle

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



31.4253, 24.0359, 91.7900



42.6391, 24.0359, 36.6767



15.9893, 24.0359, 2.9060



10.3801, 24.0359, 17.8915

Sweetspot

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



31.4264, 24.0367, 91.7906



70.1229, 69.8364, 104.3916



58.1189, 77.8345, 100.7678



14.4096, 14.2229, 22.2358



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.



31.4264, 24.0367, 91.7906



27.5002, 18.4238, 96.7145



43.1881, 30.1001, 92.3411



16.3080, 16.6559, 21.7407



9.1895, 3.6800, 48.1995



0.8596, 0.3452, 4.4645

Inverse Universe

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



61.9424, 39.8040, 91.6032



63.1622, 36.8536, 96.3311



56.5452, 78.5959, 29.6434



17.9807, 17.5197, 21.7543



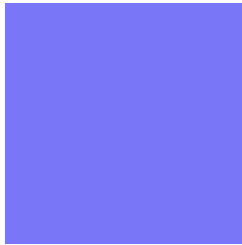
29.7500, 14.3157, 47.5196



2.7590, 1.3273, 4.4203

Previews

White Background



This preview shows how the XYZ color 31.4253, 24.0359, 91.7900 looks on a white background.

Color Contrast Check

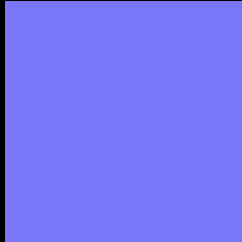
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4253, 24.0359, 91.7900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

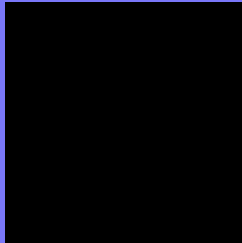
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4253, 24.0359, 91.7900

Background



This preview shows how black text looks on a background with the XYZ color 31.4253, 24.0359, 91.7900.



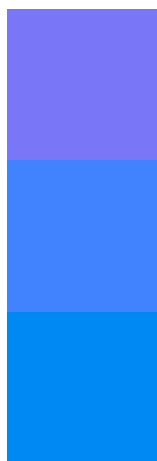
This preview shows how white text looks on a background with the XYZ color 31.4253, 24.0359,

91.7900.

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

31.4253, 24.0359, 91.7900

Protanopia

28.1470, 24.2753, 97.8098

Deuteranopia

24.9727, 24.3021, 87.3790



Tritanopia

19.8201, 23.9032, 34.1410

Trichromacy



Original Color

31.4253, 24.0359, 91.7900

Protanomaly

28.7779, 23.8813, 95.1883

Deuteranomaly

25.3505, 23.0324, 88.6975

Tritanomaly

23.0817, 23.5058, 50.8975

Monochromacy



Original Color

31.4253, 24.0359, 91.7900

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.6414, 23.4628, 43.7875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4253, 24.0359, 91.7900 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(121, 119, 248)` looks like.

```
.text, #text, p{  
    color:rgb(121, 119, 248)  
}
```

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(121, 119, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 119, 248) }
```

Border

The CSS property to change the border of an element to XYZ 31.4253, 24.0359, 91.7900 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(121, 119, 248) }
```


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

```
.border{ border-color:rgb(121, 119, 248) }
```

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

Here you see how a box with a 4 pixel rgb(121, 119, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 119, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 119, 248);  
box-shadow:4px 4px 4px 4px rgb(121, 119,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4253, 24.0359, 91.7900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 119, 248) }
```

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

```
.background{ background-color: rgb(121,  
119, 248) }
```

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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