

Converting Colors

XYZ(32.1461, 30.1583, 76.5031)

Have a look what the booklet for
XYZ(32.1461, 30.1583, 76.5031)
contains.

XYZ(32.3124, 30.3148, 76.8213)	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(32.3124, 30.3148,
76.8213)**

Conversions

Conversions Part 1

Format	Color
Hex	7B92E3
RGB	123, 146, 227
RGB Percent	48%, 57%, 89%
CMY	0.5176, 0.4274, 0.1098
CMYK	0.46, 0.36, 0.00, 0.11
HSL	227°, 65%, 69%
HSV	227°, 46%, 89%
XYZ	32.3124, 30.3148, 76.8213
YIQ	148.3570, -39.7090, 20.3150

Conversions

Conversions Part 2

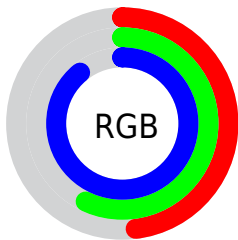
Format	Color
R _Y B	123, 142, 227
Decimal	8098531
CIE Lab	61.92, 13.08, -43.69
CIE LCh	62, 45.611, 286.666
Yxy	30.3148, 0.2317, 0.2174
Android (android.graphics.Color)	4286288611 (0xFF7B92E3)
YUV	148.3570, 38.7710, -22.2381
Hunter-Lab	55.0589, 8.4032, -44.1836

Details

The XYZ color **32.3124, 30.3148, 76.8213** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **56.8478, 60.9484, 27.5084**, and the grayscale version is **28.1533, 29.6195, 32.2556**.

A 20% lighter version of the original color is **57.5267, 58.2319, 102.8156**, and **13.7803, 12.4643, 40.2076** is the 20% darker color. If you saturate the color by 10%, you get **26.9158, 23.7953, 75.8479**, and if you desaturate by 10%, it is **38.8856, 38.0675, 77.9719**.

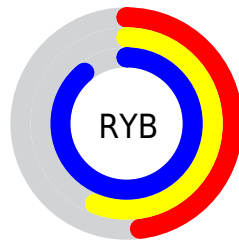
Distribution



Red (48%)

Green (57%)

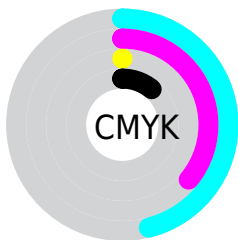
Blue (89%)



Red (48%)

Yellow (56%)

Blue (89%)

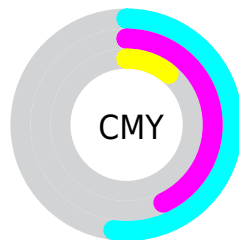


Cyan (46%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (52%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3124, 30.3148, 76.8213 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 32.3124, 30.3148, 76.8213 by changing the saturation by 10% instead.

■ 32.3124, 30.3148,
76.8213

■ 32.3124, 30.3148,
76.8213

304.2599,
303.3691, 503.5760

■ 21.7569, 20.0777,
56.5955

■ 62.6624, 60.1597,
130.6579

■ 13.7940, 12.4515,
40.2734

■ 83.1877, 80.5362,
165.1058

■ 8.0583, 7.0520,
27.4364

■ 107.7669,
105.0612, 205.1315

■ 4.1844, 3.4946,
17.6659

136.7654,
134.1193, 251.1536

■ 1.8070, 1.3951,
10.5434

170.5486,
168.0947, 303.5905

■ 0.5219, 0.2131,
5.6504

209.4819,

■ 0.0000, 0.0000,

207.3719, 362.8609

2.5684

253.9305,
252.3352, 429.3832

■ 0.0000, 0.0000,
0.8761

■ 0.0000, 0.0000,
0.0000

■ 32.3124, 30.3148,
76.8213

■ 32.3124, 30.3148,
76.8213

■ 26.9158, 23.7953,
75.8479

■ 38.8856, 38.0675,
77.9719

■ 22.6203, 18.4400,
75.0407

■ 46.6977, 47.1109,
79.3057

■ 19.3466, 14.1776,
74.3905

■ 55.8108, 57.5027,
80.8312

■ 17.0025, 10.9269,
73.8866

■ 66.2814, 69.2960,
82.5557

■ 15.4772, 8.5935,
73.5166

■ 78.1630, 82.5411,
84.4860

■ 15.0144, 7.8443,
73.3964

■ 89.9419, 96.4793,
86.5555

■ 90.8652, 98.3261,
86.8633

Harmonies

Analogous

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



26.1901, 30.3148, 77.7130



32.3124, 30.3148, 76.8213



38.2221, 30.3148, 61.8691

Triad

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



32.3124, 30.3148, 76.8213



37.6425, 30.3148, 14.0970



18.8345, 30.3148, 25.8458

Complementary

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



32.3124, 30.3148, 76.8213



56.8478, 60.9484, 27.5084

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.



21.0911, 30.3148, 14.8953



32.3124, 30.3148, 76.8213



31.6061, 30.3148, 9.9128

Square

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



32.3124, 30.3148, 76.8213



41.5845, 30.3148, 24.2750



25.5764, 30.3148, 10.1413



18.9678, 30.3148, 43.6176

Rectangle

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



32.3124, 30.3148, 76.8213



40.9909, 30.3148, 48.1938



25.5764, 30.3148, 10.1413



19.3234, 30.3148, 21.4025

Sweetspot

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



32.3135, 30.3159, 76.8220



74.8761, 77.3714, 105.5955



46.3863, 63.4491, 66.1366



15.4294, 15.8846, 22.5028



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.



32.3135, 30.3159, 76.8220



35.3301, 31.3333, 98.7936



33.6625, 26.2673, 75.9695



13.8400, 14.4014, 18.1946



8.8274, 4.7168, 42.8284



0.7204, 0.4848, 3.1876

Inverse Universe

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



43.9508, 32.5735, 31.1659



52.5123, 35.5325, 31.1891



54.6692, 68.5476, 29.0901



14.5068, 14.4199, 15.6034



18.8491, 9.6739, 2.8346



1.4273, 0.7286, 0.3905

Previews

White Background



This preview shows how the XYZ color 32.3124, 30.3148, 76.8213 looks on a white background.

Color Contrast Check

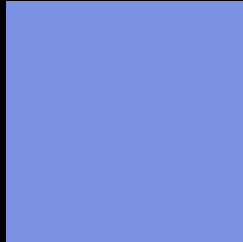
Large Text (above 18pt) WCAG AA × Fail

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 32.3124, 30.3148, 76.8213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

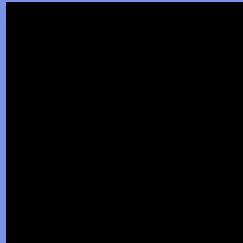
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.3124, 30.3148, 76.8213

Background



This preview shows how black text looks on a background with the XYZ color 32.3124, 30.3148, 76.8213.



This preview shows how white text looks on a background with the XYZ color 32.3124, 30.3148,

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

32.3124, 30.3148, 76.8213

Protanopia

32.1840, 30.4784, 76.8597

Deuteranopia

31.1570, 30.4306, 76.1831



Tritanopia

25.5460, 30.4818, 42.5674

Trichromacy



Original Color

32.3124, 30.3148, 76.8213

Protanomaly

32.3249, 30.5511, 76.8663

Deuteranomaly

31.5198, 30.3838, 76.1549

Tritanomaly

27.7696, 30.3835, 53.6912

Monochromacy



Original Color

32.3124, 30.3148, 76.8213

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.0170, 29.5307, 45.7656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3124, 30.3148, 76.8213 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, 146, 227)` looks like.

```
.text, #text, p{  
    color:rgb(123, 146, 227)  
}
```

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, 146, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 146, 227) }
```

Border

The CSS property to change the border of an element to XYZ 32.3124, 30.3148, 76.8213 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, 146, 227) }
```


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

```
.border{ border-color:rgb(123, 146, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 146, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 146, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 146, 227);  
box-shadow:4px 4px 4px 4px rgb(123, 146,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3124, 30.3148, 76.8213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 146, 227) }
```

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

```
.background{ background-color: rgb(123,  
146, 227) }
```

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