

# Converting Colors

XYZ(32.1028, 15.3524, 73.4514)

Have a look what the booklet for  
XYZ(32.1028, 15.3524, 73.4514)  
contains.

<b>XYZ(32.1271, 15.3744, 73.2258)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(32.1271, 15.3744,  
73.2258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B115E2
RGB	177, 21, 226
RGB Percent	69%, 8%, 89%
CMY	0.3059, 0.9176, 0.1137
CMYK	0.22, 0.91, 0.00, 0.11
HSL	286°, 83%, 48%
HSV	286°, 91%, 89%
XYZ	32.1271, 15.3744, 73.2258
YIQ	91.0140, 27.1710, 96.8270

# Conversions

## Conversions Part 2

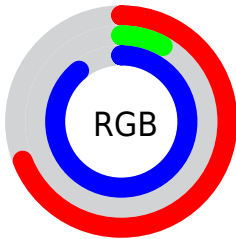
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">177, 21, 226</a>
Decimal	<a href="#">11605474</a>
CIELab	<a href="#">46.14, 80.44, -68.08</a>
CIELCh	<a href="#">46, 105.383, 319.755</a>
Yxy	<a href="#">15.3744, 0.2661, 0.1273</a>
Android (android.graphics.Color)	<a href="#">4289795554</a> ( <a href="#">0xFFB115E2</a> )
YUV	<a href="#">91.0140, 66.5481, 75.4097</a>
Hunter-Lab	<a href="#">39.2102, 77.6371, -83.2781</a>

# Details

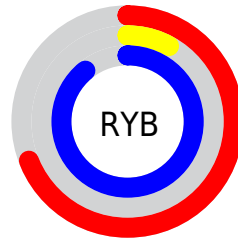
The XYZ color **32.1271, 15.3744, 73.2258** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **29.8580, 55.7493, 9.8968**, and the grayscale version is **9.7978, 10.3080, 11.2254**.

A 20% lighter version of the original color is **57.0673, 33.4089, 98.0485**, and **14.6326, 6.7161, 38.0612** is the 20% darker color. If you saturate the color by 10%, you get **30.7368, 14.2596, 73.0842**, and if you desaturate by 10%, it is **34.0007, 17.2576, 73.4908**.

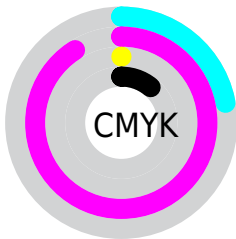
# Distribution



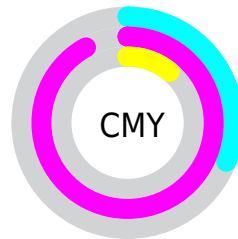
- Red (69%)
- Green (8%)
- Blue (89%)



- Red (69%)
- Yellow (8%)
- Blue (89%)



- Cyan (22%)
- Magenta (91%)
- Yellow (0%)
- Black (11%)




- Cyan (31%)
- Magenta (92%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.1271, 15.3744, 73.2258 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 32.1271, 15.3744, 73.2258 by changing the saturation by 10% instead.



 32.1271, 15.3744,  
73.2258


 32.1271, 15.3744,  
73.2258

303.4328,  
225.6213, 490.8888

 21.6146, 9.0826,  
53.6677


 62.3741, 35.5087,  
125.5216


 13.6890, 4.7951,  
37.9447


 82.8394, 50.1199,  
159.0963

 7.9849, 2.1275,  
25.6382


 107.3530, 68.2730,  
198.1804

 4.1370, 0.6800,  
16.3299

 136.2802, 90.3525,  
243.1922

 1.7800, 0.0000,  
9.6010

 169.9864,  
116.7426, 294.5505

 0.5055, 0.0000,  
5.0331

 208.8371,

 0.0000, 0.0000,

147.8279, 352.6736

2.2076

253.1974,  
183.9927, 417.9802

■ 0.0000, 0.0000,  
0.6788

■ 0.0000, 0.0000,  
0.0000

■ 32.1271, 15.3744,  
73.2258

■ 32.1271, 15.3744,  
73.2258

■ 30.7368, 14.2596,  
73.0842

■ 34.0007, 17.2576,  
73.4908

■ 36.3792, 20.0784,  
73.9099

■ 39.3293, 23.9684,  
74.5053

■ 42.9063, 29.0376,  
75.2952

■ 47.1586, 35.3820,  
76.2957

■ 52.1298, 43.0878,  
77.5210

■ 57.8593, 52.2332,  
78.9843

■ 64.3838, 62.8910,  
80.6976

■ 71.7374, 75.1284,  
82.6721

# Harmonies

## Analogous

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



21.2523, 15.3744, 119.5411



32.1271, 15.3744, 73.2258



39.0046, 15.3744, 27.1515

# Triad

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



32.1271, 15.3744, 73.2258



17.9000, 15.3744, 0.0000



3.6491, 15.3744, 39.6020

# Complementary

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



32.1271, 15.3744, 73.2258



29.8580, 55.7493, 9.8968

# 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.



3.3634, 15.3744, 9.4023



32.1271, 15.3744, 73.2258



9.5240, 15.3744, 0.0000

# Square

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



32.1271, 15.3744, 73.2258



28.8279, 15.3744, 0.0000



5.0057, 15.3744, 0.8021



6.0624, 15.3744, 89.8335



# Rectangle

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



32.1271, 15.3744, 73.2258



39.0538, 15.3744, 9.6877



5.0057, 15.3744, 0.8021



3.3538, 15.3744, 26.5823

# Sweetspot

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



32.1279, 15.3750, 73.2262



71.0832, 60.6724, 102.5722



16.3708, 10.3182, 73.0806



14.6844, 12.1472, 21.8206



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.



32.1279, 15.3750, 73.2262



40.3109, 18.6959, 96.0918



39.3460, 19.7908, 42.1760



13.9581, 13.7620, 17.3083



17.6462, 8.1923, 41.6996



1.3011, 0.6080, 2.8940



# Inverse Universe

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



32.7381, 17.1476, 7.3794



42.0810, 21.5964, 6.3585



28.6839, 55.0237, 15.2834



13.8409, 13.7540, 14.9321



18.3121, 9.3918, 3.0434



1.3041, 0.6649, 0.3941



# Previews

## White Background



This preview shows how the XYZ color 32.1271, 15.3744, 73.2258 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

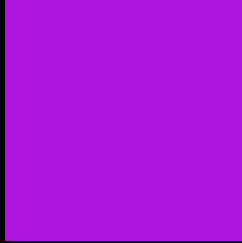
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 32.1271, 15.3744, 73.2258 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

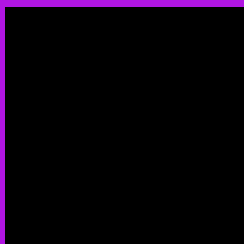
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 32.1271, 15.3744, 73.2258**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.1271, 15.3744, 73.2258.



This preview shows how white text looks on a background with the XYZ color 32.1271, 15.3744,



# 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

32.1271, 15.3744, 73.2258

### Protanopia

18.6086, 15.6899, 72.5687

### Deuteranopia

15.8689, 15.7958, 54.4371



## Tritanopia

19.8680, 15.4260, 12.9967

# Trichromacy



## Original Color

32.1271, 15.3744, 73.2258



## Protanomaly

18.2210, 11.5584, 72.5048



## Deuteranomaly

16.2455, 11.3323, 60.3626



## Tritanomaly

22.3653, 13.7631, 27.4644

# Monochromacy



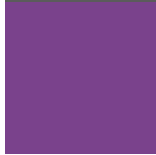
## Original Color

32.1271, 15.3744, 73.2258



## Achromatopsia

9.9438, 10.4616, 11.3927



## Achromatomaly

14.7079, 9.9275, 25.9519

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.1271, 15.3744, 73.2258 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(177, 21, 226)` looks like.

```
.text, #text, p{  
    color:rgb(177, 21, 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(177, 21, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 21, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 32.1271, 15.3744, 73.2258 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(177, 21, 226) }
```



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

```
.border{ border-color:rgb(177, 21, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 21, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 21, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 21, 226);  
box-shadow:4px 4px 4px 4px rgb(177, 21,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.1271, 15.3744, 73.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 21, 226) }
```

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

```
.background{ background-color: rgb(177, 21,  
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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