

Converting Colors

XYZ(13.8034, 7.0672, 50.0714)

Have a look what the booklet for
XYZ(13.8034, 7.0672, 50.0714)
contains.

XYZ(13.7532, 7.0326, 49.9228)	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(13.7532, 7.0326,
49.9228)**

Conversions

Conversions Part 1

Format	Color
Hex	5426BF
RGB	84, 38, 191
RGB Percent	33%, 15%, 75%
CMY	0.6706, 0.8510, 0.2510
CMYK	0.56, 0.80, 0.00, 0.25
HSL	258°, 67%, 45%
HSV	258°, 80%, 75%
XYZ	13.7532, 7.0326, 49.9228
YIQ	69.1960, -21.6970, 57.3350

Conversions

Conversions Part 2

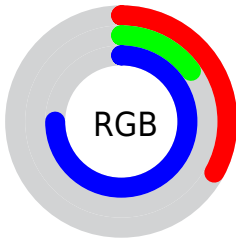
Format	Color
R_{YB}	84, 38, 191
Decimal	5514943
CIE _{Lab}	31.88, 56.11, -71.67
CIE _{LCh}	32, 91.022, 308.060
Yxy	7.0326, 0.1945, 0.0995
Android (android.graphics.Color)	4283705023 (0xFF5426BF)
YUV	69.1960, 60.0494, 12.9831
Hunter-Lab	26.5190, 46.1646, -93.0516

Details

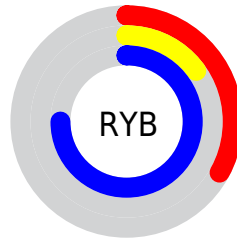
The XYZ color **13.7532, 7.0326, 49.9228** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **30.6567, 43.4209, 8.5989**, and the grayscale version is **5.5963, 5.8877, 6.4117**.

A 20% lighter version of the original color is **32.2566, 20.0812, 91.7985**, and **4.4439, 1.7776, 23.4014** is the 20% darker color. If you saturate the color by 10%, you get **12.2080, 5.5502, 49.7183**, and if you desaturate by 10%, it is **15.8404, 9.2589, 50.2427**.

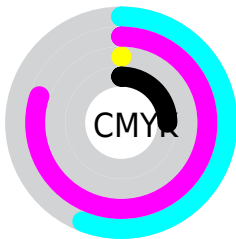
Distribution



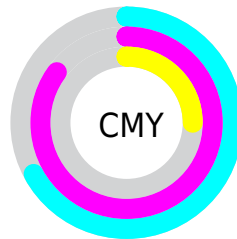
- Red (33%)
- Green (15%)
- Blue (75%)



- Red (33%)
- Yellow (15%)
- Blue (75%)



- Cyan (56%)
- Magenta (80%)
- Yellow (0%)
- Black (25%)



- Cyan (67%)
- Magenta (85%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7532, 7.0326, 49.9228 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 13.7532, 7.0326, 49.9228 by changing the saturation by 10% instead.

■ 13.7532, 7.0326,
49.9228

■ 13.7532, 7.0326,
49.9228

209.2315,
167.9343, 403.0904

■ 8.0298, 3.4825,
34.9813

■ 32.2404, 20.0388,
91.4556

■ 4.1660, 1.3885,
23.3650

■ 45.7349, 30.2636,
118.8840

■ 1.7964, 0.2082,
14.6555

■ 62.5504, 43.4822,
151.3118

■ 0.5155, 0.0000,
8.4340

■ 83.0524, 60.0788,
189.1575

■ 0.0000, 0.0000,
4.2822

■ 107.6061, 80.4380,
232.8397

■ 0.0000, 0.0000,
1.7814

■ 136.5770,

■ 0.0000, 0.0000,

104.9440, 282.7769

0.4156

170.3303,
133.9813, 339.3876

■ 0.0000, 0.0000,
0.0000

■ 13.7532, 7.0326,
49.9228

■ 13.7532, 7.0326,
49.9228

■ 12.2080, 5.5502,
49.7183

■ 15.8404, 9.2589,
50.2427

■ 11.1161, 4.6442,
49.6010

■ 18.5223, 12.3191,
50.6920

■ 21.8462, 16.2906,
51.2834

■ 25.8539, 21.2412,
52.0278

■ 30.5833, 27.2326,
52.9349

■ 36.0695, 34.3208,
54.0140

■ 42.3453, 42.5582,
55.2732

■ 49.4414, 51.9935,
56.7204

■ 57.3867, 62.6726,
58.3629

Harmonies

Analogous

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



8.0026, 7.0326, 70.0756



13.7532, 7.0326, 49.9228



18.7013, 7.0326, 21.5548

Triad

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



13.7532, 7.0326, 49.9228



10.5631, 7.0326, 0.0000



1.1949, 7.0326, 11.7859

Complementary

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



13.7532, 7.0326, 49.9228



30.6567, 43.4209, 8.5989

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.



1.3792, 7.0326, 1.5570



13.7532, 7.0326, 49.9228



5.5194, 7.0326, 0.0000

Square

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



13.7532, 7.0326, 49.9228



16.3456, 7.0326, 0.0000



2.5801, 7.0326, 0.0000



1.8590, 7.0326, 36.2904

Rectangle

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



13.7532, 7.0326, 49.9228



19.9916, 7.0326, 8.5471



2.5801, 7.0326, 0.0000



1.1690, 7.0326, 6.8315

Sweetspot

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



13.7537, 7.0328, 49.9230



60.2310, 55.7959, 95.8743



20.3439, 24.4549, 52.9385



12.4597, 11.2639, 20.9027



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.7537, 7.0328, 49.9230



20.3687, 8.7142, 88.8876



24.6744, 12.6626, 50.4341



9.2790, 9.3607, 11.9899



7.3775, 3.0893, 32.6004



0.3573, 0.1562, 1.2802

Inverse Universe

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



27.2894, 14.5067, 28.1473



46.4201, 23.1852, 43.0763



21.4066, 38.6523, 8.1660



9.8044, 9.6461, 11.3591



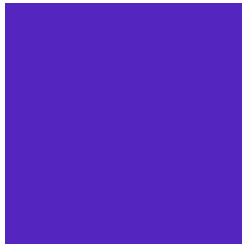
16.9653, 8.4173, 15.6429



0.6922, 0.3408, 0.7583

Previews

White Background



This preview shows how the XYZ color 13.7532, 7.0326, 49.9228 looks on a white background.

Color Contrast Check

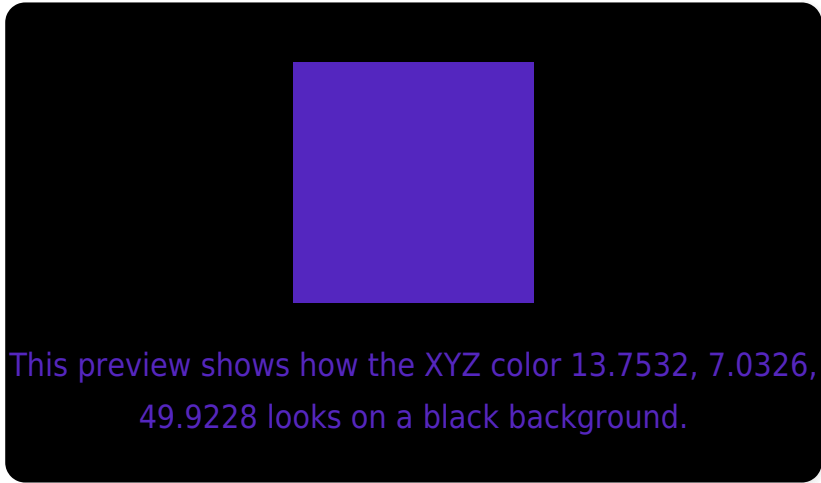
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

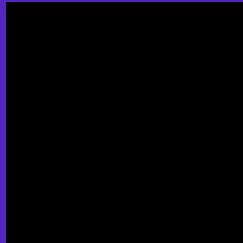
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7532, 7.0326, 49.9228

Background



This preview shows how black text looks on a background with the XYZ color 13.7532, 7.0326, 49.9228.



This preview shows how white text looks on a background with the XYZ color 13.7532, 7.0326,

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

13.7532, 7.0326, 49.9228

Protanopia

8.1323, 7.0650, 31.0721

Deuteranopia

6.7506, 6.9464, 22.4577



Tritanopia

5.7894, 7.1538, 10.0925

Trichromacy



Original Color

13.7532, 7.0326, 49.9228

Protanomaly

9.1560, 6.3130, 37.2952

Deuteranomaly

8.0924, 6.1462, 30.8968

Tritanomaly

7.4554, 6.2219, 20.2100

Monochromacy



Original Color

13.7532, 7.0326, 49.9228

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.3177, 5.6742, 16.3323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7532, 7.0326, 49.9228 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(84, 38, 191)` looks like.

```
.text, #text, p{  
    color:rgb(84, 38, 191)  
}
```

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(84, 38, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 38, 191) }
```

Border

The CSS property to change the border of an element to XYZ 13.7532, 7.0326, 49.9228 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(84, 38, 191) }
```


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

```
.border{ border-color:rgb(84, 38, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 38, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 38, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 38, 191);  
box-shadow:4px 4px 4px 4px rgb(84, 38,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7532, 7.0326, 49.9228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 38, 191) }
```

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

```
.background{ background-color: rgb(84, 38,  
191) }
```

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