

Converting Colors

XYZ(12.6833, 7.2713, 47.2739)

Have a look what the booklet for
XYZ(12.6833, 7.2713, 47.2739)
contains.

XYZ(12.6453, 7.2524, 47.1877)	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(12.6453, 7.2524,
47.1877)**

Conversions

Conversions Part 1

Format	Color
Hex	4733BA
RGB	71, 51, 186
RGB Percent	28%, 20%, 73%
CMY	0.7215, 0.8000, 0.2706
CMYK	0.62, 0.73, 0.00, 0.27
HSL	249°, 57%, 46%
HSV	249°, 73%, 73%
XYZ	12.6453, 7.2524, 47.1877
YIQ	72.3700, -31.4150, 46.2250

Conversions

Conversions Part 2

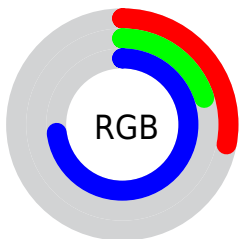
Format	Color
R_{YB}	71, 51, 186
Decimal	4666298
CIE _{Lab}	32.37, 46.74, -67.95
CIE _{LCh}	32, 82.470, 304.523
Yxy	7.2524, 0.1885, 0.1081
Android (android.graphics.Color)	4282856378 (0xFF4733BA)
YUV	72.3700, 56.0196, -1.2015
Hunter-Lab	26.9303, 36.6879, -85.0378

Details

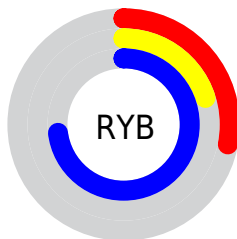
The XYZ color **12.6453, 7.2524, 47.1877** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **33.8807, 43.4631, 9.7353**, and the grayscale version is **6.1340, 6.4535, 7.0278**.

A 20% lighter version of the original color is **30.2506, 20.4909, 87.1548**, and **4.1293, 1.7038, 21.5840** is the 20% darker color. If you saturate the color by 10%, you get **10.9748, 5.4167, 46.9216**, and if you desaturate by 10%, it is **14.9446, 9.8945, 47.5767**.

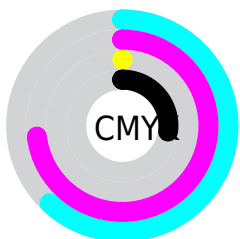
Distribution



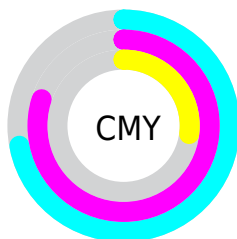
- Red (28%)
- Green (20%)
- Blue (73%)



- Red (28%)
- Yellow (20%)
- Blue (73%)



- Cyan (62%)
- Magenta (73%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (80%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6453, 7.2524, 47.1877 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 12.6453, 7.2524, 47.1877 by changing the saturation by 10% instead.

■ 12.6453, 7.2524,
47.1877

■ 12.6453, 7.2524,
47.1877

202.3156,
169.7448, 391.9787

■ 7.2601, 3.6204,
32.8287

■ 30.2718, 20.4792,
87.3466

■ 3.6730, 1.4636,
21.7252

■ 43.2438, 30.8428,
113.9836

■ 1.5189, 0.2629,
13.4587

■ 59.4755, 44.2191,
145.5503

■ 0.3386, 0.0000,
7.6107

■ 79.3321, 60.9925,
182.4653

■ 0.0000, 0.0000,
3.7627

■ 103.1791, 81.5474,
225.1471

■ 0.0000, 0.0000,
1.4961

■ 131.3818,

■ 0.0000, 0.0000,

106.2681, 274.0142

0.2150

164.3055,
135.5391, 329.4852

■ 0.0000, 0.0000,
0.0000

■ 12.6453, 7.2524,
47.1877

■ 12.6453, 7.2524,
47.1877

■ 10.9748, 5.4167,
46.9216

■ 14.9446, 9.8945,
47.5767

■ 9.8662, 4.2915,
46.7629

■ 17.9274, 13.4228,
48.1005

■ 9.3301, 3.7860,
46.6936

■ 21.6440, 17.9079,
48.7703

■ 26.1394, 23.4132,
49.5960

■ 31.4549, 29.9966,
50.5866

■ 37.6290, 37.7116,
51.7503

■ 44.6975, 46.6080,
53.0950

■ 52.6945, 56.7330,
54.6278

■ 61.6521, 68.1307,
56.3557

Harmonies

Analogous

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



7.5585, 7.2524, 61.8287



12.6453, 7.2524, 47.1877



17.2272, 7.2524, 22.8656

Triad

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



12.6453, 7.2524, 47.1877



11.0439, 7.2524, 0.0000



1.5319, 7.2524, 9.8917

Complementary

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



12.6453, 7.2524, 47.1877



33.8807, 43.4631, 9.7353

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.



1.8321, 7.2524, 1.4987



12.6453, 7.2524, 47.1877



6.2681, 7.2524, 0.0000

Square

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



12.6453, 7.2524, 47.1877



16.0664, 7.2524, 0.6348



3.2192, 7.2524, 0.0000



2.1118, 7.2524, 30.0012

Rectangle

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



12.6453, 7.2524, 47.1877



18.6611, 7.2524, 10.3499



3.2192, 7.2524, 0.0000



1.5362, 7.2524, 5.8653

Sweetspot

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



12.6457, 7.2526, 47.1879



57.2402, 54.6522, 91.7335



24.2308, 32.2542, 51.4031



11.9924, 11.2735, 20.0865



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



12.6457, 7.2526, 47.1879



18.6001, 8.4796, 84.8578



20.2814, 11.1889, 47.5453



8.6417, 8.7817, 11.3190



6.3173, 2.5679, 31.4158



0.2622, 0.1109, 1.1093

Inverse Universe

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



28.3158, 15.5596, 37.5836



48.9665, 24.6313, 63.8111



23.4674, 38.0948, 9.2480



9.3222, 9.1392, 11.0439



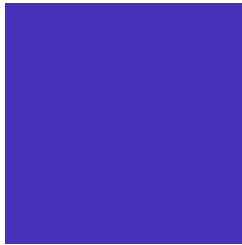
17.8223, 8.7027, 22.7488



0.6440, 0.3131, 0.8848

Previews

White Background



This preview shows how the XYZ color 12.6453, 7.2524, 47.1877 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



This preview shows how the XYZ color 12.6453, 7.2524, 47.1877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

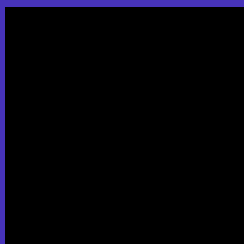
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6453, 7.2524, 47.1877

Background



This preview shows how black text looks on a background with the XYZ color 12.6453, 7.2524, 47.1877.



This preview shows how white text looks on a background with the XYZ color 12.6453, 7.2524,

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

12.6453, 7.2524, 47.1877

Protanopia

8.2989, 7.1316, 31.9495

Deuteranopia

6.8892, 7.1147, 22.8400



Tritanopia

5.2723, 7.2061, 11.0106

Trichromacy



Original Color

12.6453, 7.2524, 47.1877

Protanomaly

9.1992, 6.7534, 36.8951

Deuteranomaly

8.1606, 6.6209, 30.5536

Tritanomaly

6.8108, 6.5162, 20.6374

Monochromacy



Original Color

12.6453, 7.2524, 47.1877

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.4865, 6.2368, 16.4320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6453, 7.2524, 47.1877 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(71, 51, 186)` looks like.

```
.text, #text, p{  
    color:rgb(71, 51, 186)  
}
```

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(71, 51, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 51, 186) }
```

Border

The CSS property to change the border of an element to XYZ 12.6453, 7.2524, 47.1877 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(71, 51, 186) }
```


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

```
.border{ border-color:rgb(71, 51, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 51, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 51, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 51, 186);  
box-shadow:4px 4px 4px 4px rgb(71, 51,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6453, 7.2524, 47.1877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 51, 186) }
```

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

```
.background{ background-color: rgb(71, 51,  
186) }
```

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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