

Converting Colors

XYZ(13.7017, 10.7307, 32.6032)

Have a look what the booklet for
XYZ(13.7017, 10.7307, 32.6032)
contains.

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Color

**XYZ(13.7671, 10.7720,
32.8061)**

Conversions

Conversions Part 1

Format	Color
Hex	60519C
RGB	96, 81, 156
RGB Percent	38%, 32%, 61%
CMY	0.6235, 0.6823, 0.3882
CMYK	0.38, 0.48, 0.00, 0.39
HSL	252°, 32%, 46%
HSV	252°, 48%, 61%
XYZ	13.7671, 10.7720, 32.8061
YIQ	94.0350, -15.1350, 26.5050

Conversions

Conversions Part 2

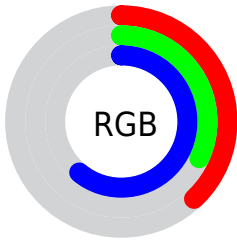
Format	Color
R_{YB}	96, 81, 156
Decimal	6312348
CIE _{Lab}	39.19, 24.68, -38.92
CIE _{LCh}	39, 46.084, 302.383
Yxy	10.7720, 0.2401, 0.1878
Android (android.graphics.Color)	4284502428 (0xFF60519C)
YUV	94.0350, 30.5487, 1.7233
Hunter-Lab	32.8207, 17.4380, -36.2891

Details

The XYZ color **13.7671, 10.7720, 32.8061** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **24.3582, 30.0339, 12.2982**, and the grayscale version is **10.5806, 11.1317, 12.1224**.

A 20% lighter version of the original color is **32.2686, 27.3253, 65.2016**, and **4.1683, 2.7967, 13.4168** is the 20% darker color. If you saturate the color by 10%, you get **11.5279, 8.0901, 32.4067**, and if you desaturate by 10%, it is **16.4820, 14.0948, 33.3046**.

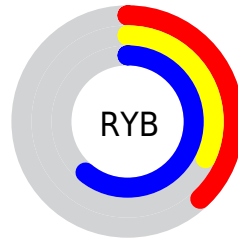
Distribution



Red (38%)

Green (32%)

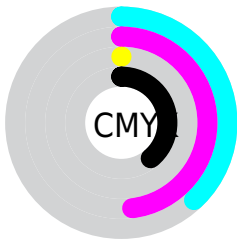
Blue (61%)



Red (38%)

Yellow (32%)

Blue (61%)

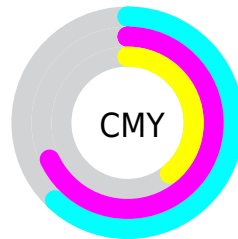


Cyan (38%)

Magenta (48%)

Yellow (0%)

Black (39%)



Cyan (62%)

Magenta (68%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7671, 10.7720, 32.8061 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 13.7671, 10.7720, 32.8061 by changing the saturation by 10% instead.

■ 13.7671, 10.7720,
32.8061

■ 13.7671, 10.7720,
32.8061

209.3168,
196.0966, 329.3803

■ 8.0395, 5.9137,
21.7080

■ 32.2649, 27.2378,
65.1852

■ 4.1722, 2.7927,
13.4463

■ 45.7659, 39.6141,
87.3033

■ 1.8000, 1.0245,
7.6022

■ 62.5886, 55.2652,
113.9319

■ 0.5177, 0.0000,
3.7574

■ 83.0985, 74.5755,
145.4895

■ 0.0000, 0.0000,
1.4932

■ 107.6609, 97.9294,
182.3945

■ 0.0000, 0.0000,
0.2129

136.6412,

■ 0.0000, 0.0000,

125.7113, 225.0657

0.0000

170.4047,
158.3055, 273.9214

■ 13.7671, 10.7720,
32.8061

■ 13.7671, 10.7720,
32.8061

■ 11.5279, 8.0901,
32.4067

■ 16.4820, 14.0948,
33.3046

■ 9.7347, 6.0058,
32.0989

■ 19.6971, 18.0955,
33.9073

■ 8.3565, 4.4725,
31.8755

■ 23.4370, 22.8096,
34.6201

■ 7.3575, 3.4355,
31.7280

■ 27.7239, 28.2700,
35.4482

■ 6.6801, 2.7989,
31.6409

■ 32.5790, 34.5072,
36.3962

■ 6.5720, 2.6948,
31.6265

■ 38.0222, 41.5502,
37.4687

■ 44.0725, 49.4264,
38.6701

■ 50.7480, 58.1621,
40.0044

■ 58.0662, 67.7823,
41.4756

Harmonies

Analogous

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



10.4879, 10.7720, 38.3204



13.7671, 10.7720, 32.8061



16.4671, 10.7720, 21.5338

Triad

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



13.7671, 10.7720, 32.8061



13.2516, 10.7720, 2.1824



5.3701, 10.7720, 12.4518

Complementary

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



13.7671, 10.7720, 32.8061



24.3582, 30.0339, 12.2982

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.



5.8196, 10.7720, 5.4704



13.7671, 10.7720, 32.8061



9.9931, 10.7720, 1.6128

Square

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



13.7671, 10.7720, 32.8061



16.1298, 10.7720, 4.7651



7.3710, 10.7720, 2.4216



5.9910, 10.7720, 23.4267

Rectangle

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



13.7671, 10.7720, 32.8061



17.3406, 10.7720, 14.1356



7.3710, 10.7720, 2.4216



5.4009, 10.7720, 9.6121

Sweetspot

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



13.7675, 10.7724, 32.8064



45.4067, 45.0334, 63.4259



18.9193, 23.1997, 34.9335



9.6567, 9.4839, 13.8920



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.7675, 10.7724, 32.8064



20.5508, 14.2374, 58.7917



18.6955, 13.3128, 33.0370



6.4025, 6.4960, 8.3231



5.4372, 2.2320, 26.0515



0.1267, 0.0551, 0.4672

Inverse Universe

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



21.4606, 14.8761, 26.9393



36.4764, 22.7509, 45.8273



19.0250, 27.2845, 12.0486



6.8473, 6.7318, 8.0468



14.3439, 7.0421, 16.5937



0.2698, 0.1312, 0.3667

Previews

White Background



This preview shows how the XYZ color 13.7671, 10.7720, 32.8061 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 13.7671, 10.7720, 32.8061 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 13.7671, 10.7720, 32.8061

Background



This preview shows how black text looks on a background with the XYZ color 13.7671, 10.7720, 32.8061.



This preview shows how white text looks on a background with the XYZ color 13.7671, 10.7720,

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

13.7671, 10.7720, 32.8061

Protanopia

12.1350, 10.8988, 37.0614

Deuteranopia

11.0803, 10.8587, 31.6489



Tritanopia

9.9189, 10.7840, 13.8707

Trichromacy



Original Color

13.7671, 10.7720, 32.8061

Protanomaly

12.5283, 10.7646, 35.5999

Deuteranomaly

11.7890, 10.7068, 32.0171

Tritanomaly

11.0481, 10.5999, 19.5529

Monochromacy



Original Color

13.7671, 10.7720, 32.8061

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.5026, 10.8620, 18.3199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7671, 10.7720, 32.8061 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(96, 81, 156) looks like.

```
.text, #text, p{  
    color:rgb(96, 81, 156)  
}
```

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(96, 81, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 81, 156) }
```

Border

The CSS property to change the border of an element to XYZ 13.7671, 10.7720, 32.8061 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(96, 81, 156) }
```


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

```
.border{ border-color:rgb(96, 81, 156) }
```

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

Here you see how a box with a 4 pixel rgb(96, 81, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 81, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 81, 156);  
box-shadow:4px 4px 4px 4px rgb(96, 81,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7671, 10.7720, 32.8061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 81, 156) }
```

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

```
.background{ background-color: rgb(96, 81,  
156) }
```

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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