

Converting Colors

XYZ(13.7640, 10.5852, 40.2491)

Have a look what the booklet for
XYZ(13.7640, 10.5852, 40.2491)
contains.

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Color

**XYZ(13.7822, 10.6127,
40.3518)**

Conversions

Conversions Part 1

Format	Color
Hex	5151AC
RGB	81, 81, 172
RGB Percent	32%, 32%, 67%
CMY	0.6823, 0.6824, 0.3255
CMYK	0.53, 0.53, 0.00, 0.33
HSL	240°, 36%, 50%
HSV	240°, 53%, 67%
XYZ	13.7822, 10.6127, 40.3518
YIQ	91.3740, -29.2110, 28.3010

Conversions

Conversions Part 2

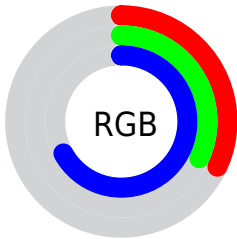
Format	Color
R_{YB}	81, 81, 172
Decimal	5329324
CIE _{Lab}	38.92, 25.96, -48.97
CIE _{LCh}	39, 55.422, 297.926
Yxy	10.6127, 0.2129, 0.1639
Android (android.graphics.Color)	4283519404 (0xFF5151AC)
YUV	91.3740, 39.7486, -9.0980
Hunter-Lab	32.5771, 18.5068, -50.6358

Details

The XYZ color **13.7822, 10.6127, 40.3518** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **33.2501, 38.8695, 13.5347**, and the grayscale version is **9.9465, 10.4645, 11.3958**.

A 20% lighter version of the original color is **32.3028, 26.8851, 76.8856**, and **4.1743, 2.7038, 17.7546** is the 20% darker color. If you saturate the color by 10%, you get **11.3704, 7.7064, 39.9182**, and if you desaturate by 10%, it is **16.8920, 14.3595, 40.9113**.

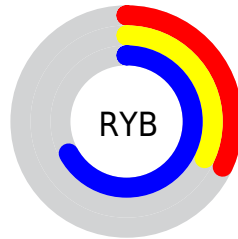
Distribution



Red (32%)

Green (32%)

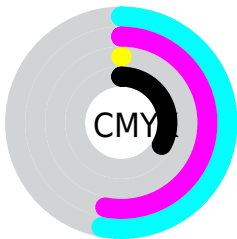
Blue (67%)



Red (32%)

Yellow (32%)

Blue (67%)

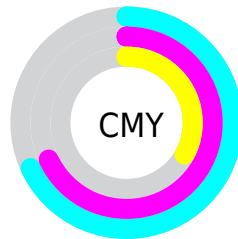


Cyan (53%)

Magenta (53%)

Yellow (0%)

Black (33%)



Cyan (68%)

Magenta (68%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7822, 10.6127, 40.3518 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 13.7822, 10.6127, 40.3518 by changing the saturation by 10% instead.

■ 13.7822, 10.6127,
40.3518

■ 13.7822, 10.6127,
40.3518

209.4095,
194.9908, 363.2002

■ 8.0500, 5.8070,
27.4971

■ 32.2916, 26.9417,
76.9419

■ 4.1790, 2.7281,
17.7112

■ 45.7995, 39.2339,
101.5143

■ 1.8039, 0.9915,
10.5755

■ 62.6300, 54.7903,
130.8297

■ 0.5200, 0.0000,
5.6716

■ 83.1485, 73.9955,
165.3066

■ 0.0000, 0.0000,
2.5809

■ 107.7204, 97.2337,
205.3636

■ 0.0000, 0.0000,
0.8826

136.7109,

■ 0.0000, 0.0000,

124.8894, 251.4191

0.0000

170.4855,
157.3470, 303.8918

■ 13.7822, 10.6127,
40.3518

■ 13.7822, 10.6127,
40.3518

■ 11.3704, 7.7064,
39.9182

■ 16.8920, 14.3595,
40.9113

■ 9.6013, 5.5748,
39.6000

■ 20.7463, 19.0038,
41.6046

■ 8.4140, 4.1442,
39.3864

■ 25.3896, 24.5987,
42.4398

■ 7.7349, 3.3261,
39.2643

■ 30.8622, 31.1929,
43.4242

■ 7.4466, 2.9786,
39.2124

■ 37.2018, 38.8318,
44.5645

■ 44.4437, 47.5580,
45.8672

■ 52.6214, 57.4118,
47.3381

■ 61.7666, 68.4313,
48.9831

■ 71.9094, 80.6530,
50.8075

Harmonies

Analogous

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



9.8329, 10.6127, 46.0049



13.7822, 10.6127, 40.3518



17.3601, 10.6127, 26.0251

Triad

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



13.7822, 10.6127, 40.3518



14.3362, 10.6127, 1.4797



4.5343, 10.6127, 10.8367

Complementary

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



13.7822, 10.6127, 40.3518



33.2501, 38.8695, 13.5347

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.



5.1959, 10.6127, 3.7829



13.7822, 10.6127, 40.3518



10.3456, 10.6127, 0.8193

Square

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



13.7822, 10.6127, 40.3518



17.7309, 10.6127, 4.4196



7.1195, 10.6127, 1.3009



5.0329, 10.6127, 23.9009

Rectangle

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



13.7822, 10.6127, 40.3518



18.7222, 10.6127, 16.3402



7.1195, 10.6127, 1.3009



4.6241, 10.6127, 7.8098

Sweetspot

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



13.7827, 10.6130, 40.3521



52.4602, 52.3370, 78.1429



25.5924, 34.2332, 44.2888



10.9697, 10.8545, 16.9047



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



13.7827, 10.6130, 40.3521



20.1747, 13.4350, 72.3357



19.0671, 13.3372, 40.5994



7.5790, 7.7573, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



27.4018, 17.6340, 40.9870



47.4678, 27.5052, 73.6075



24.9160, 34.5731, 13.1447



8.3371, 8.1481, 10.0859



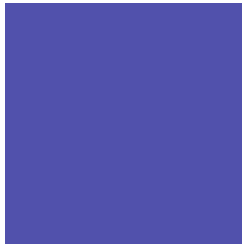
18.2013, 8.7431, 29.7693



0.5063, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 13.7822, 10.6127, 40.3518 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 13.7822, 10.6127, 40.3518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

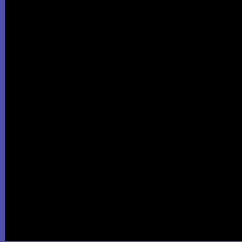
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7822, 10.6127, 40.3518

Background



This preview shows how black text looks on a background with the XYZ color 13.7822, 10.6127, 40.3518.



This preview shows how white text looks on a background with the XYZ color 13.7822, 10.6127,

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

13.7822, 10.6127, 40.3518

Protanopia

12.3876, 10.6148, 44.5760

Deuteranopia

10.6152, 10.5090, 36.5909



Tritanopia

8.7728, 10.7058, 15.2397

Trichromacy



Original Color

13.7822, 10.6127, 40.3518

Protanomaly

12.5496, 10.3751, 42.9361

Deuteranomaly

11.0541, 10.1960, 37.9446

Tritanomaly

10.1711, 10.4593, 22.6019

Monochromacy



Original Color

13.7822, 10.6127, 40.3518

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.7288, 10.1987, 19.1724

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7822, 10.6127, 40.3518 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(81, 81, 172)` looks like.

```
.text, #text, p{  
    color:rgb(81, 81, 172)  
}
```

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(81, 81, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 81, 172) }
```

Border

The CSS property to change the border of an element to XYZ 13.7822, 10.6127, 40.3518 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(81, 81, 172) }
```


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

```
.border{ border-color:rgb(81, 81, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 81, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 81, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 81, 172);  
box-shadow:4px 4px 4px 4px rgb(81, 81,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7822, 10.6127, 40.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 81, 172) }
```

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

```
.background{ background-color: rgb(81, 81,  
172) }
```

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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