

Converting Colors

XYZ(13.3361, 9.8037, 43.9246)

Have a look what the booklet for
XYZ(13.3361, 9.8037, 43.9246)
contains.

XYZ(13.3197, 9.7631, 43.8303)	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(13.3197, 9.7631,
43.8303)**

Conversions

Conversions Part 1

Format	Color
Hex	474CB3
RGB	71, 76, 179
RGB Percent	28%, 30%, 70%
CMY	0.7215, 0.7020, 0.2980
CMYK	0.60, 0.58, 0.00, 0.30
HSL	237°, 43%, 49%
HSV	237°, 60%, 70%
XYZ	13.3197, 9.7631, 43.8303
YIQ	86.2470, -36.0430, 30.9730

Conversions

Conversions Part 2

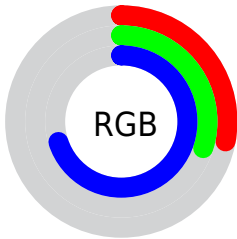
Format	Color
R _Y B	71, 76, 179
Decimal	4672691
CIE Lab	37.41, 29.48, -55.58
CIE LCh	37, 62.914, 297.940
Yxy	9.7631, 0.1991, 0.1459
Android (android.graphics.Color)	4282862771 (0xFF474CB3)
YUV	86.2470, 45.7272, -13.3716
Hunter-Lab	31.2460, 21.4115, -61.2969

Details

The XYZ color **13.3197, 9.7631, 43.8303** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **34.8656, 40.3138, 11.9061**, and the grayscale version is **8.8096, 9.2684, 10.0933**.

A 20% lighter version of the original color is **31.5272, 25.3905, 82.5961**, and **4.2182, 2.5137, 19.6649** is the 20% darker color. If you saturate the color by 10%, you get **11.1708, 7.1349, 43.4365**, and if you desaturate by 10%, it is **16.1683, 13.2153, 44.3467**.

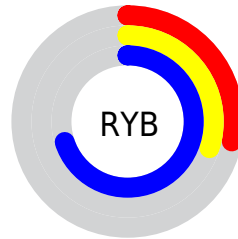
Distribution



Red (28%)

Green (30%)

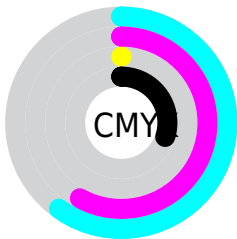
Blue (70%)



Red (28%)

Yellow (30%)

Blue (70%)

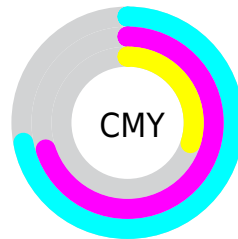


Cyan (60%)

Magenta (58%)

Yellow (0%)

Black (30%)



Cyan (72%)

Magenta (70%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3197, 9.7631, 43.8303 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 13.3197, 9.7631, 43.8303 by changing the saturation by 10% instead.

■ 13.3197, 9.7631,
43.8303

■ 13.3197, 9.7631,
43.8303

206.5530,
188.9728, 378.0364

■ 7.7276, 5.2422,
30.2009

■ 31.4734, 25.3490,
82.2621

■ 3.9715, 2.3900,
19.7378

■ 44.7657, 37.1827,
107.9015

■ 1.6860, 0.8208,
12.0224

■ 61.3554, 52.2228,
138.3814

■ 0.4475, 0.0000,
6.6362

■ 81.6079, 70.8536,
174.1203

■ 0.0000, 0.0000,
3.1607

■ 105.8886, 93.4597,
215.5367

■ 0.0000, 0.0000,
1.1773

134.5628,

■ 0.0000, 0.0000,

120.4253, 263.0492

0.0000

167.9958,
152.1349, 317.0762

■ 13.3197, 9.7631,
43.8303

■ 13.3197, 9.7631,
43.8303

■ 11.1708, 7.1349,
43.4365

■ 16.1683, 13.2153,
44.3467

■ 9.6597, 5.2613,
43.1545

■ 19.7685, 17.5516,
44.9940

■ 8.7164, 4.0627,
42.9729

■ 24.1689, 22.8275,
45.7804

■ 8.2266, 3.4343,
42.8774

■ 29.4137, 29.0936,
46.7135

■ 35.5437, 36.3971,
47.8001

■ 42.5973, 44.7818,
49.0467

■ 50.6105, 54.2894,
50.4595

■ 59.6174, 64.9592,
52.0443

■ 69.6503, 76.8285,
53.8065

Harmonies

Analogous

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



9.0088, 9.7631, 50.6497



13.3197, 9.7631, 43.8303



17.3349, 9.7631, 26.8952

Triad

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



13.3197, 9.7631, 43.8303



13.9315, 9.7631, 0.7822



3.5643, 9.7631, 9.8663

Complementary

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



13.3197, 9.7631, 43.8303



34.8656, 40.3138, 11.9061

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.



4.2103, 9.7631, 2.7526



13.3197, 9.7631, 43.8303



9.5557, 9.7631, 0.1142

Square

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



13.3197, 9.7631, 43.8303



17.7530, 9.7631, 3.3412



6.1521, 9.7631, 0.6241



4.0509, 9.7631, 24.4544

Rectangle

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



13.3197, 9.7631, 43.8303



18.8839, 9.7631, 15.8630



6.1521, 9.7631, 0.6241



3.6511, 9.7631, 6.6972

Sweetspot

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



13.3202, 9.7634, 43.8306



54.7743, 54.6049, 84.0341



26.3203, 36.6207, 45.5219



11.4787, 11.3146, 18.5012



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



13.3202, 9.7634, 43.8306



19.1136, 11.6775, 77.6278



18.0813, 11.7268, 43.9586



8.0724, 8.2911, 10.6812



5.8265, 2.4535, 30.3035



0.1937, 0.0980, 0.9569

Inverse Universe

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



22.1487, 14.6129, 8.4906



36.3764, 21.4188, 8.4681



26.5257, 37.4732, 11.7974



8.5118, 8.5114, 8.9273



13.1756, 6.7878, 0.8189



0.4198, 0.2157, 0.0534

Previews

White Background



This preview shows how the XYZ color 13.3197, 9.7631, 43.8303 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 13.3197, 9.7631, 43.8303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

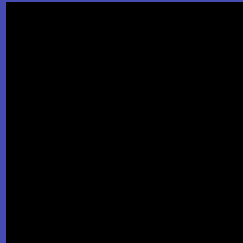
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3197, 9.7631, 43.8303

Background



This preview shows how black text looks on a background with the XYZ color 13.3197, 9.7631, 43.8303.



This preview shows how white text looks on a background with the XYZ color 13.3197, 9.7631,

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

13.3197, 9.7631, 43.8303

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.6569, 9.7126, 32.8182



Tritanopia

7.4091, 9.7403, 14.5863

Trichromacy



Original Color

13.3197, 9.7631, 43.8303

Protanomaly

11.6815, 9.5495, 44.4076

Deuteranomaly

10.3753, 9.3969, 36.3889

Tritanomaly

8.9357, 9.4364, 22.8232

Monochromacy



Original Color

13.3197, 9.7631, 43.8303

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.8008, 9.1400, 19.0169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3197, 9.7631, 43.8303 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, 76, 179)` looks like.

```
.text, #text, p{  
    color:rgb(71, 76, 179)  
}
```

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, 76, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 76, 179) }
```

Border

The CSS property to change the border of an element to XYZ 13.3197, 9.7631, 43.8303 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, 76, 179) }
```


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

```
.border{ border-color:rgb(71, 76, 179) }
```

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

Here you see how a box with a 4 pixel rgb(71, 76, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 76, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 76, 179);  
box-shadow:4px 4px 4px 4px rgb(71, 76,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3197, 9.7631, 43.8303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 76, 179) }
```

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

```
.background{ background-color: rgb(71, 76,  
179) }
```

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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