

Converting Colors

XYZ(12.7894, 10.4872, 37.4264)

Have a look what the booklet for
XYZ(12.7894, 10.4872, 37.4264)
contains.

XYZ(12.8009, 10.5103, 37.4304)	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(12.8009, 10.5103,
37.4304)**

Conversions

Conversions Part 1

Format	Color
Hex	4954A6
RGB	73, 84, 166
RGB Percent	29%, 33%, 65%
CMY	0.7137, 0.6706, 0.3490
CMYK	0.56, 0.49, 0.00, 0.35
HSL	233°, 39%, 47%
HSV	233°, 56%, 65%
XYZ	12.8009, 10.5103, 37.4304
YIQ	90.0590, -32.8780, 23.1700

Conversions

Conversions Part 2

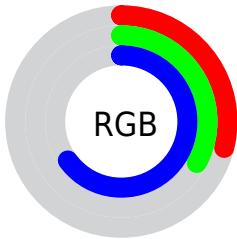
Format	Color
R_{YB}	73, 83, 166
Decimal	4805798
CIE _{Lab}	38.74, 20.33, -45.72
CIE _{LCh}	39, 50.037, 293.975
Yxy	10.5103, 0.2107, 0.1730
Android (android.graphics.Color)	4282995878 (0xFF4954A6)
YUV	90.0590, 37.4389, -14.9607
Hunter-Lab	32.4196, 13.7466, -45.7602

Details

The XYZ color **12.8009, 10.5103, 37.4304** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **28.6507, 32.0320, 10.9768**, and the grayscale version is **9.6559, 10.1587, 11.0628**.

A 20% lighter version of the original color is **30.4744, 26.6382, 72.6427**, and **3.7394, 2.7098, 15.9487** is the 20% darker color. If you saturate the color by 10%, you get **10.6871, 7.9068, 37.0395**, and if you desaturate by 10%, it is **15.4887, 13.7623, 37.9167**.

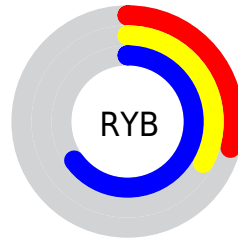
Distribution



Red (29%)

Green (33%)

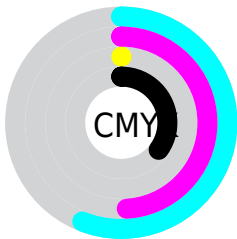
Blue (65%)



Red (29%)

Yellow (33%)

Blue (65%)

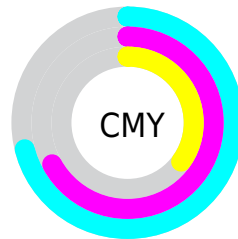


Cyan (56%)

Magenta (49%)

Yellow (0%)

Black (35%)



Cyan (71%)

Magenta (67%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8009, 10.5103, 37.4304 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 12.8009, 10.5103, 37.4304 by changing the saturation by 10% instead.

■ 12.8009, 10.5103,
37.4304

■ 12.8009, 10.5103,
37.4304

203.3012,
194.2764, 350.3948

■ 7.3676, 5.7386,
25.2425

■ 30.5500, 26.7510,
72.4280

■ 3.7414, 2.6868,
16.0372

■ 43.5965, 38.9888,
96.0747

■ 1.5569, 0.9705,
9.3958

■ 59.9116, 54.4840,
124.3782

■ 0.3641, 0.0000,
4.8999

■ 79.8604, 73.6212,
157.7568

■ 0.0000, 0.0000,
2.1310

■ 103.8084, 96.7846,
196.6293

■ 0.0000, 0.0000,
0.6341

132.1210,

■ 0.0000, 0.0000,

124.3587, 241.4141

0.0000

165.1635,
156.7278, 292.5298

■ 12.8009, 10.5103,
37.4304

■ 12.8009, 10.5103,
37.4304

■ 10.6871, 7.9068,
37.0395

■ 15.4887, 13.7623,
37.9167

■ 9.1037, 5.9069,
36.7369

■ 18.7870, 17.7017,
38.5032

■ 8.0028, 4.4614,
36.5160

■ 22.7311, 22.3652,
39.1955

■ 7.3230, 3.5106,
36.3683

■ 27.3530, 27.7869,
39.9984

■ 7.1266, 3.2405,
36.3265

■ 32.6827, 33.9986,
40.9165

■ 38.7482, 41.0303,
41.9540

■ 45.5761, 48.9104,
43.1152

■ 53.1918, 57.6659,
44.4037

■ 61.6192, 67.3227,
45.8235

Harmonies

Analogous

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



9.3374, 10.5103, 40.7631



12.8009, 10.5103, 37.4304



16.0613, 10.5103, 25.8328

Triad

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



12.8009, 10.5103, 37.4304



14.2129, 10.5103, 2.1333



4.9088, 10.5103, 9.6378

Complementary

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



12.8009, 10.5103, 37.4304



28.6507, 32.0320, 10.9768

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.



5.6811, 10.5103, 3.7302



12.8009, 10.5103, 37.4304



10.6717, 10.5103, 1.2095

Square

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



12.8009, 10.5103, 37.4304



16.9943, 10.5103, 5.5271



7.6236, 10.5103, 1.5686



5.2354, 10.5103, 20.5469

Rectangle

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



12.8009, 10.5103, 37.4304



17.4273, 10.5103, 17.2395



7.6236, 10.5103, 1.5686



5.0420, 10.5103, 7.1190

Sweetspot

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



12.8014, 10.5106, 37.4307



48.4861, 49.0773, 72.3927



22.1838, 31.0091, 35.2140



10.4761, 10.5445, 16.1353



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



12.8014, 10.5106, 37.4307



18.6768, 13.4513, 67.0873



15.3416, 10.6510, 37.3239



7.2006, 7.4382, 9.4745



5.5455, 2.5512, 28.1756



0.1560, 0.1043, 0.6926

Inverse Universe

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



19.7091, 13.5128, 9.9572



32.6185, 20.0035, 11.5272



24.3394, 32.6513, 11.3236



7.5659, 7.5562, 8.0310



12.2997, 6.3286, 1.1239



0.3099, 0.1582, 0.0835

Previews

White Background



This preview shows how the XYZ color 12.8009, 10.5103, 37.4304 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 12.8009, 10.5103, 37.4304 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

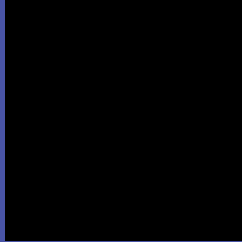
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8009, 10.5103, 37.4304

Background



This preview shows how black text looks on a background with the XYZ color 12.8009, 10.5103, 37.4304.



This preview shows how white text looks on a background with the XYZ color 12.8009, 10.5103,

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

12.8009, 10.5103, 37.4304

Protanopia

11.9177, 10.4861, 39.4261

Deuteranopia

10.7532, 10.5802, 36.5974



Tritanopia

8.2846, 10.4541, 15.2169

Trichromacy



Original Color

12.8009, 10.5103, 37.4304

Protanomaly

12.2005, 10.5217, 38.9240

Deuteranomaly

11.1074, 10.3690, 37.0133

Tritanomaly

9.5556, 10.2868, 21.9040

Monochromacy



Original Color

12.8009, 10.5103, 37.4304

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.4159, 10.1723, 18.5540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8009, 10.5103, 37.4304 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(73, 84, 166)` looks like.

```
.text, #text, p{  
    color:rgb(73, 84, 166)  
}
```

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(73, 84, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 84, 166) }
```

Border

The CSS property to change the border of an element to XYZ 12.8009, 10.5103, 37.4304 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(73, 84, 166) }
```


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

```
.border{ border-color:rgb(73, 84, 166) }
```

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

Here you see how a box with a 4 pixel rgb(73, 84, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 84, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 84, 166);  
box-shadow:4px 4px 4px 4px rgb(73, 84,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8009, 10.5103, 37.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 84, 166) }
```

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

```
.background{ background-color: rgb(73, 84,  
166) }
```

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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