

Converting Colors

XYZ(10.3805, 10.8108, 30.5805)

Have a look what the booklet for
XYZ(10.3805, 10.8108, 30.5805)
contains.

XYZ(10.3248, 10.7615, 30.3872)	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(10.3248, 10.7615,
30.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	245F96
RGB	36, 95, 150
RGB Percent	14%, 37%, 59%
CMY	0.8588, 0.6274, 0.4118
CMYK	0.76, 0.37, 0.00, 0.41
HSL	209°, 61%, 36%
HSV	209°, 76%, 59%
XYZ	10.3248, 10.7615, 30.3872
YIQ	83.6290, -52.8190, 4.5970

Conversions

Conversions Part 2

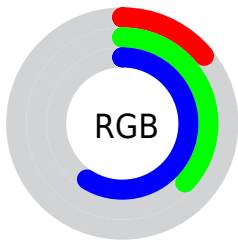
Format	Color
R_{YB}	36, 75, 150
Decimal	2383766
CIE _{Lab}	39.18, 0.74, -35.57
CIE _{LCh}	39, 35.576, 271.199
Yxy	10.7615, 0.2006, 0.2091
Android (android.graphics.Color)	4280573846 (0xFF245F96)
YUV	83.6290, 32.7209, -41.7706
Hunter-Lab	32.8047, -1.2280, -31.9574

Details

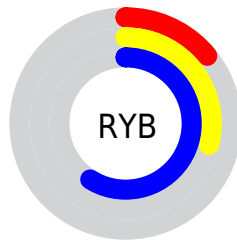
The XYZ color **10.3248, 10.7615, 30.3872** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **16.6381, 14.0951, 3.5134**, and the grayscale version is **8.2939, 8.7258, 9.5024**.

A 20% lighter version of the original color is **26.0746, 27.2000, 61.6334**, and **3.3504, 3.0975, 12.2257** is the 20% darker color. If you saturate the color by 10%, you get **9.2849, 9.3023, 30.1606**, and if you desaturate by 10%, it is **11.6456, 12.4557, 30.6448**.

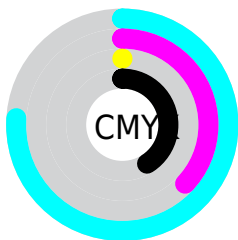
Distribution



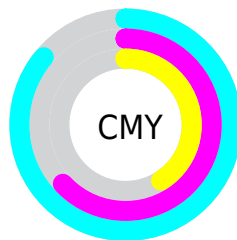
- Red (14%)
- Green (37%)
- Blue (59%)



- Red (14%)
- Yellow (29%)
- Blue (59%)



- Cyan (76%)
- Magenta (37%)
- Yellow (0%)
- Black (41%)



- Cyan (86%)
- Magenta (63%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3248, 10.7615, 30.3872 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 10.3248, 10.7615, 30.3872 by changing the saturation by 10% instead.

■ 10.3248, 10.7615,
30.3872

■ 10.3248, 10.7615,
30.3872

186.9804,
196.0239, 317.9684

■ 5.6788, 5.9067,
19.8781

■ 26.0488, 27.2183,
61.3422

■ 2.6895, 2.7884,
12.1233

■ 37.8575, 39.5891,
82.6252

■ 0.9918, 1.0223,
6.7041

■ 52.7844, 55.2340,
108.3366

■ 0.0000, 0.0000,
3.2021

■ 71.1950, 74.5374,
138.8949

■ 0.0000, 0.0000,
1.1988

■ 93.4545, 97.8837,
174.7188

■ 0.0000, 0.0000,
0.0000

■ 119.9283,

125.6572, 216.2266

150.9818,
158.2425, 263.8370

■ 10.3248, 10.7615,
30.3872

■ 10.3248, 10.7615,
30.3872

■ 9.2849, 9.3023,
30.1606

■ 11.6456, 12.4557,
30.6448

■ 8.4876, 8.0555,
29.9620

■ 13.2719, 14.3996,
30.9343

■ 8.2031, 7.5980,
29.8886

■ 15.2270, 16.6075,
31.2575

■ 17.5313, 19.0921,
31.6156

■ 20.2032, 21.8651,
32.0100

■ 23.2601, 24.9375,
32.4419

■ 26.7180, 28.3193,
32.9124

■ 30.5919, 32.0204,
33.4226

■ 34.8962, 36.0501,
33.9736

Harmonies

Analogous

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



8.1726, 10.7615, 27.4248



10.3248, 10.7615, 30.3872



12.7953, 10.7615, 26.9429

Triad

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



10.3248, 10.7615, 30.3872



14.6787, 10.7615, 6.1417



6.7103, 10.7615, 6.4566

Complementary

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



10.3248, 10.7615, 30.3872



16.6381, 14.0951, 3.5134

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.



8.0302, 10.7615, 3.6861



10.3248, 10.7615, 30.3872



12.6031, 10.7615, 3.5604

Square

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



10.3248, 10.7615, 30.3872



15.5383, 10.7615, 11.4446



10.1328, 10.7615, 2.8759



6.2914, 10.7615, 11.9946

Rectangle

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



10.3248, 10.7615, 30.3872



14.2390, 10.7615, 22.0363



10.1328, 10.7615, 2.8759



7.0520, 10.7615, 5.2594

Sweetspot

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



10.3252, 10.7618, 30.3875



36.9593, 39.9139, 56.6774



13.4461, 22.9128, 13.2103



7.8176, 8.4657, 12.5068



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



10.3252, 10.7618, 30.3875



15.3920, 14.8848, 52.9831



6.9853, 4.0819, 29.2742



5.7328, 6.0996, 7.3449



6.8357, 6.3661, 24.7995



0.1132, 0.1369, 0.3134

Inverse Universe

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



15.2745, 8.5726, 11.6763



25.1489, 12.9555, 15.5614



23.2062, 27.2313, 5.7028



5.9186, 5.8625, 6.6774



11.5774, 5.8360, 6.5216



0.1566, 0.0774, 0.1583

Previews

White Background



This preview shows how the XYZ color 10.3248, 10.7615, 30.3872 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 10.3248, 10.7615, 30.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

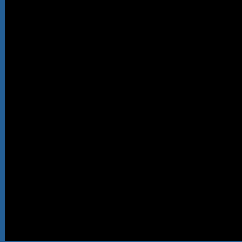
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3248, 10.7615, 30.3872

Background



This preview shows how black text looks on a background with the XYZ color 10.3248, 10.7615, 30.3872.



This preview shows how white text looks on a background with the XYZ color 10.3248, 10.7615,

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

10.3248, 10.7615, 30.3872

Protanopia

11.4430, 10.7272, 28.6616

Deuteranopia

10.9886, 10.7009, 30.7645



Tritanopia

7.5658, 10.6285, 16.4046

Trichromacy



Original Color

10.3248, 10.7615, 30.3872

Protanomaly

10.8385, 10.6604, 29.0902

Deuteranomaly

10.7192, 10.6914, 30.7768

Tritanomaly

8.3295, 10.4899, 20.9878

Monochromacy



Original Color

10.3248, 10.7615, 30.3872

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.5112, 9.2554, 15.5252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3248, 10.7615, 30.3872 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(36, 95, 150)` looks like.

```
.text, #text, p{  
    color:rgb(36, 95, 150)  
}
```

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(36, 95, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 95, 150) }
```

Border

The CSS property to change the border of an element to XYZ 10.3248, 10.7615, 30.3872 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(36, 95, 150) }
```


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

```
.border{ border-color:rgb(36, 95, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 95, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 95, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 95, 150);  
box-shadow:4px 4px 4px 4px rgb(36, 95,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3248, 10.7615, 30.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 95, 150) }
```

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

```
.background{ background-color: rgb(36, 95,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor