

Converting Colors

XYZ(10.3382, 10.6589, 16.0366)

Have a look what the booklet for
XYZ(10.3382, 10.6589, 16.0366)
contains.

XYZ(10.3338, 10.6897, 15.9867)	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(10.3338, 10.6897,
15.9867)**

Conversions

Conversions Part 1

Format	Color
Hex	555C6D
RGB	85, 92, 109
RGB Percent	33%, 36%, 43%
CMY	0.6667, 0.6392, 0.5725
CMYK	0.22, 0.16, 0.00, 0.57
HSL	222°, 12%, 38%
HSV	222°, 22%, 43%
XYZ	10.3338, 10.6897, 15.9867
YIQ	91.8450, -9.6290, 3.8030

Conversions

Conversions Part 2

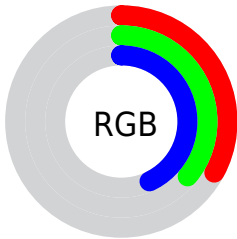
Format	Color
R_{YB}	85, 90, 109
Decimal	5594221
CIE Lab	39.05, 1.34, -10.59
CIE LCh	39, 10.677, 277.229
Yxy	10.6897, 0.2792, 0.2888
Android (android.graphics.Color)	4283784301 (0xFF555C6D)
YUV	91.8450, 8.4574, -6.0031
Hunter-Lab	32.6951, -0.7987, -6.1040

Details

The XYZ color **10.3338, 10.6897, 15.9867** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.6979, 13.4100, 10.5138**, and the grayscale version is **10.1201, 10.6471, 11.5947**.

A 20% lighter version of the original color is **26.0977, 27.0701, 37.5678**, and **2.6832, 2.7331, 4.9436** is the 20% darker color. If you saturate the color by 10%, you get **8.7844, 8.9484, 15.7324**, and if you desaturate by 10%, it is **12.1045, 12.6468, 16.2713**.

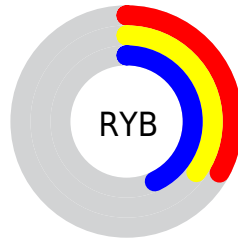
Distribution



Red (33%)

Green (36%)

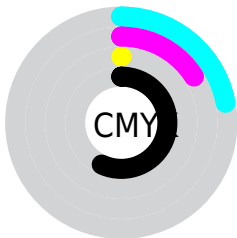
Blue (43%)



Red (33%)

Yellow (35%)

Blue (43%)

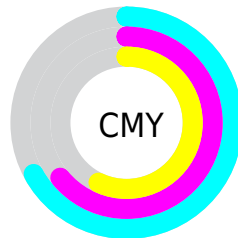


Cyan (22%)

Magenta (16%)

Yellow (0%)

Black (57%)



Cyan (67%)

Magenta (64%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3338, 10.6897, 15.9867 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 10.3338, 10.6897, 15.9867 by changing the saturation by 10% instead.

■ 10.3338, 10.6897,
15.9867

■ 10.3338, 10.6897,
15.9867

187.0424,
195.5262, 241.1063

■ 5.6848, 5.8586,
9.3605

■ 26.0655, 27.0849,
37.3416

■ 2.6932, 2.7593,
4.8770

■ 37.8789, 39.4178,
52.9073

■ 0.9937, 1.0074,
2.1178

■ 52.8111, 55.0201,
72.2900

■ 0.0000, 0.0000,
0.6263

■ 71.2276, 74.2762,
95.9082

■ 0.0000, 0.0000,
0.0000

■ 93.4936, 97.5704,
124.1803

119.9745,

125.2872, 157.5250

151.0356,
157.8110, 196.3608

■ 10.3338, 10.6897,
15.9867

■ 10.3338, 10.6897,
15.9867

■ 8.7844, 8.9484,
15.7324

■ 12.1045, 12.6468,
16.2713

■ 7.4464, 7.4140,
15.5068

■ 14.1040, 14.8257,
16.5865

■ 6.3104, 6.0788,
15.3089

■ 16.3406, 17.2337,
16.9334

■ 5.3660, 4.9341,
15.1378

■ 18.8219, 19.8774,
17.3129

■ 4.6019, 3.9705,
14.9920

■ 21.5552, 22.7632,
17.7259

■ 4.0053, 3.1776,
14.8705

■ 24.5475, 25.8970,
18.1730

■ 3.5610, 2.5438,
14.7715

■ 27.8053, 29.2848,
18.6552

■ 3.2713, 2.1261,
14.7062

■ 31.3352, 32.9321,
19.1732

■ 35.1434, 36.8446,
19.7277

Harmonies

Analogous

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



9.6386, 10.6897, 15.6494



10.3338, 10.6897, 15.9867



11.0128, 10.6897, 15.0550

Triad

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



10.3338, 10.6897, 15.9867



11.2918, 10.6897, 9.4210



8.9474, 10.6897, 10.1843

Complementary

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



10.3338, 10.6897, 15.9867



12.6979, 13.4100, 10.5138

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.



9.3529, 10.6897, 8.7837



10.3338, 10.6897, 15.9867



10.7003, 10.6897, 8.3803

Square

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



10.3338, 10.6897, 15.9867



11.5824, 10.6897, 11.1520



9.9886, 10.6897, 8.1614



8.8595, 10.6897, 12.1406

Rectangle

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



10.3338, 10.6897, 15.9867



11.3576, 10.6897, 13.8973



9.9886, 10.6897, 8.1614



9.0502, 10.6897, 9.6401

Sweetspot

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



10.3341, 10.6901, 15.9869



23.3495, 24.4772, 29.4012



11.6036, 13.8242, 14.5755



5.4043, 5.6641, 6.8372



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.3341, 10.6901, 15.9869



17.1511, 17.6280, 28.4058



10.2061, 9.7651, 15.8151



3.0137, 3.1557, 3.8852



3.8067, 2.4478, 17.1941



18.7300, 11.1385, 87.3890

Inverse Universe

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



11.4872, 10.5213, 11.5510



19.5951, 17.3351, 18.9897



12.8407, 14.5484, 10.7260



3.1327, 3.1300, 3.4292



7.6683, 3.9195, 1.8820



38.7368, 19.8367, 7.8168

Previews

White Background



This preview shows how the XYZ color 10.3338, 10.6897, 15.9867 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 10.3338, 10.6897, 15.9867 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

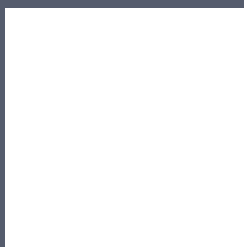
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.3338, 10.6897, 15.9867

Background



This preview shows how black text looks on a background with the XYZ color 10.3338, 10.6897, 15.9867.

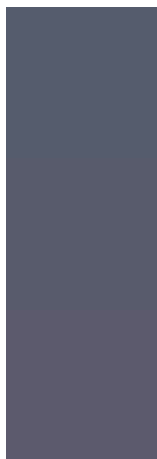


This preview shows how white text looks on a background with the XYZ color 10.3338, 10.6897,

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

10.3338, 10.6897, 15.9867

Protanopia

10.4724, 10.6396, 15.6891

Deuteranopia

10.8301, 10.6918, 15.9609



Tritanopia

9.8306, 10.6073, 13.8412

Trichromacy



Original Color

10.3338, 10.6897, 15.9867

Protanomaly

10.3783, 10.5911, 15.6846

Deuteranomaly

10.6212, 10.7101, 15.9755

Tritanomaly

10.0692, 10.7130, 14.6338

Monochromacy



Original Color

10.3338, 10.6897, 15.9867

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.1516, 10.6600, 13.0778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3338, 10.6897, 15.9867 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(85, 92, 109) looks like.

```
.text, #text, p{  
    color:rgb(85, 92, 109)  
}
```

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(85, 92, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 92, 109) }
```

Border

The CSS property to change the border of an element to XYZ 10.3338, 10.6897, 15.9867 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(85, 92, 109) }
```


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

```
.border{ border-color:rgb(85, 92, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 92, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 92, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 92, 109);  
box-shadow:4px 4px 4px 4px rgb(85, 92,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3338, 10.6897, 15.9867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 92, 109) }
```

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

```
.background{ background-color: rgb(85, 92,  
109) }
```

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