

Converting Colors

XYZ(12.6827, 15.0104, 15.1434)

Have a look what the booklet for
XYZ(12.6827, 15.0104, 15.1434)
contains.

XYZ(12.6677, 15.0137, 15.0622)	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(12.6677, 15.0137,
15.0622)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7167
RGB	91, 113, 103
RGB Percent	36%, 44%, 40%
CMY	0.6431, 0.5569, 0.5961
CMYK	0.19, 0.00, 0.09, 0.56
HSL	153°, 11%, 40%
HSV	153°, 19%, 44%
XYZ	12.6677, 15.0137, 15.0622
YIQ	105.2820, -9.9020, -7.7740

Conversions

Conversions Part 2

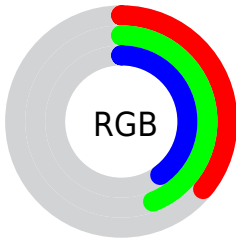
Format	Color
R_{YB}	91, 105, 113
Decimal	5992807
CIE _{Lab}	45.65, -10.34, 2.86
CIE _{LCh}	46, 10.733, 164.535
Yxy	15.0137, 0.2964, 0.3513
Android (android.graphics.Color)	4284182887 (0xFF5B7167)
YUV	105.2820, -1.1250, -12.5253
Hunter-Lab	38.7475, -9.4513, 4.0756

Details

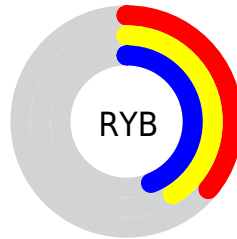
The XYZ color **12.6677, 15.0137, 15.0622** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9007, 11.9329, 13.9360**, and the grayscale version is **13.5090, 14.2125, 15.4774**.

A 20% lighter version of the original color is **30.2724, 34.9061, 35.7139**, and **3.6863, 4.6240, 4.4396** is the 20% darker color. If you saturate the color by 10%, you get **11.3866, 14.3826, 13.6975**, and if you desaturate by 10%, it is **14.1332, 15.7389, 16.5189**.

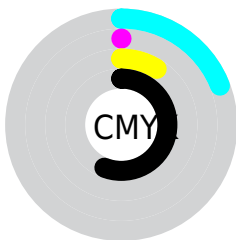
Distribution



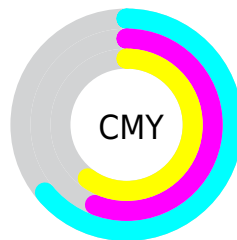
- Red (36%)
- Green (44%)
- Blue (40%)



- Red (36%)
- Yellow (41%)
- Blue (44%)



- Cyan (19%)
- Magenta (0%)
- Yellow (9%)
- Black (56%)



- Cyan (64%)
- Magenta (56%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6677, 15.0137, 15.0622 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 12.6677, 15.0137, 15.0622 by changing the saturation by 10% instead.

■ 12.6677, 15.0137,
15.0622

■ 12.6677, 15.0137,
15.0622

202.4578,
223.4491, 235.3961

■ 7.2755, 8.8290,
8.7159

■ 30.3119, 34.8772,
35.7061

■ 3.6829, 4.6298,
4.4621

■ 43.2947, 49.3248,
50.8408

■ 1.5243, 2.0317,
1.8821

■ 59.5383, 67.2955,
69.7421

■ 0.3423, 0.6258,
0.4813

■ 79.4083, 89.1737,
92.8285

■ 0.0000, 0.0000,
0.0000

103.2698,
115.3437, 120.5186

131.4884,

146.1901, 153.2309

164.4293,
182.0971, 191.3839

■ 12.6677, 15.0137,
15.0622

■ 12.6677, 15.0137,
15.0622

■ 11.3866, 14.3826,
13.6975

■ 14.1332, 15.7389,
16.5189

■ 10.2810, 13.8397,
12.4220

■ 15.7893, 16.5600,
18.0683

■ 9.3430, 13.3814,
11.2341

■ 17.6431, 17.4812,
19.7125

■ 8.5634, 13.0032,
10.1317

■ 19.7012, 18.5059,
21.4532

■ 7.9324, 12.6998,
9.1129

■ 21.9699, 19.6371,
23.2920

■ 7.4389, 12.4656,
8.1755

■ 24.4551, 20.8779,
25.2305

■ 7.0700, 12.2940,
7.3170

■ 27.1625, 22.2313,
27.2703

■ 6.7798, 12.1615,
6.5337

■ 30.0976, 23.7000,
29.4128

■ 6.7649, 12.1546,
6.4942

■ 33.2657, 25.2868,
31.6595

Harmonies

Analogous

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



13.0915, 15.0137, 13.0656



12.6677, 15.0137, 15.0622



12.6610, 15.0137, 17.6218

Triad

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



12.6677, 15.0137, 15.0622



14.7084, 15.0137, 21.6244



15.5384, 15.0137, 13.1146

Complementary

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



12.6677, 15.0137, 15.0622



12.9007, 11.9329, 13.9360

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.



16.0100, 15.0137, 15.1359



12.6677, 15.0137, 15.0622



15.5174, 15.0137, 20.1372

Square

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



12.6677, 15.0137, 15.0622



13.8140, 15.0137, 21.5993



16.0022, 15.0137, 17.7036



14.7361, 15.0137, 12.0243

Rectangle

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



12.6677, 15.0137, 15.0622



12.8926, 15.0137, 19.3183



16.0022, 15.0137, 17.7036



15.7423, 15.0137, 13.6978

Sweetspot

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



12.6681, 15.0143, 15.0625



26.2498, 28.6492, 30.4782



13.1907, 15.3484, 12.1651



6.0402, 6.6105, 7.0197



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.6681, 15.0143, 15.0625



21.6932, 26.3959, 25.9381



13.1192, 15.0644, 17.8398



3.4140, 3.7908, 3.9866



7.6632, 13.7828, 7.3133



37.7344, 68.4824, 34.1164

Inverse Universe

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



12.9007, 11.9329, 13.9360



22.1843, 19.8891, 23.5597



12.5029, 11.8746, 11.5308



3.4417, 3.4244, 3.8526



8.4022, 4.2533, 3.9280



41.4308, 21.0176, 17.3325

Previews

White Background



This preview shows how the XYZ color 12.6677, 15.0137, 15.0622 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 12.6677, 15.0137, 15.0622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

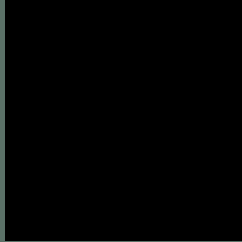
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

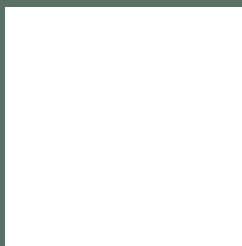
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.6677, 15.0137, 15.0622

Background



This preview shows how black text looks on a background with the XYZ color 12.6677, 15.0137, 15.0622.



This preview shows how white text looks on a background with the XYZ color 12.6677, 15.0137,

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

12.6677, 15.0137, 15.0622

Protanopia

14.2400, 14.8802, 14.1782

Deuteranopia

15.1079, 14.8425, 15.4332



Tritanopia

13.6303, 15.0805, 19.6452

Trichromacy



Original Color

12.6677, 15.0137, 15.0622

Protanomaly

13.5265, 14.8199, 14.4595

Deuteranomaly

14.0631, 14.7661, 15.2056

Tritanomaly

13.2890, 15.1078, 17.8385

Monochromacy



Original Color

12.6677, 15.0137, 15.0622

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1168, 14.4339, 15.1914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6677, 15.0137, 15.0622 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(91, 113, 103) looks like.

```
.text, #text, p{  
    color:rgb(91, 113, 103)  
}
```

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(91, 113, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 113, 103) }
```

Border

The CSS property to change the border of an element to XYZ 12.6677, 15.0137, 15.0622 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(91, 113, 103) }
```


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

```
.border{ border-color:rgb(91, 113, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 113, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 113, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 113, 103);  
box-shadow:4px 4px 4px 4px rgb(91, 113,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6677, 15.0137, 15.0622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 113, 103) }
```

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

```
.background{ background-color: rgb(91, 113,  
103) }
```

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