

Converting Colors

XYZ(12.7818, 13.8934, 11.8822)

Have a look what the booklet for
XYZ(12.7818, 13.8934, 11.8822)
contains.

XYZ(12.7656, 13.8617, 11.9003)	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(12.7656, 13.8617,
11.9003)**

Conversions

Conversions Part 1

Format	Color
Hex	69695B
RGB	105, 105, 91
RGB Percent	41%, 41%, 36%
CMY	0.5882, 0.5882, 0.6431
CMYK	0.00, 0.00, 0.13, 0.59
HSL	60°, 7%, 38%
HSV	60°, 13%, 41%
XYZ	12.7656, 13.8617, 11.9003
YIQ	103.4040, 4.4940, -4.3540

Conversions

Conversions Part 2

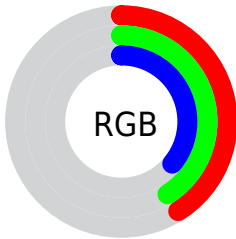
Format	Color
RYB	91, 105, 91
Decimal	6908251
CIELab	44.03, -2.71, 7.88
CIELCh	44, 8.336, 108.966
Yxy	13.8617, 0.3313, 0.3598
Android (android.graphics.Color)	4285098331 (0xFF69695B)
YUV	103.4040, -6.1152, 1.3997
Hunter-Lab	37.2313, -3.9520, 7.1110

Details

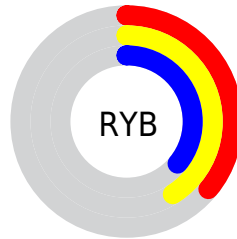
The XYZ color **12.7656, 13.8617, 11.9003** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.6058, 10.7266, 14.8767**, and the grayscale version is **13.0144, 13.6921, 14.9107**.

A 20% lighter version of the original color is **30.4065, 32.7679, 29.9216**, and **3.7316, 4.1151, 3.0802** is the 20% darker color. If you saturate the color by 10%, you get **12.3440, 13.6935, 9.6793**, and if you desaturate by 10%, it is **13.2514, 14.0565, 14.4558**.

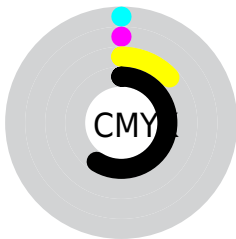
Distribution



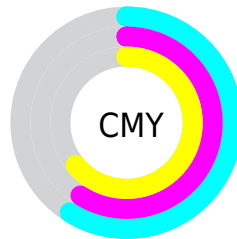
- Red (41%)
- Green (41%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (13%)
- Black (59%)



- Cyan (59%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7656, 13.8617, 11.9003 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 12.7656, 13.8617, 11.9003 by changing the saturation by 10% instead.

■ 12.7656, 13.8617,
11.9003

■ 12.7656, 13.8617,
11.9003

203.0780,
216.3688, 214.6986

■ 7.3432, 8.0245,
6.5541

■ 30.4869, 32.8434,
29.9751

■ 3.7259, 4.1107,
3.1107

■ 43.5166, 46.7568,
43.5407

■ 1.5483, 1.7357,
1.1514

■ 59.8128, 64.1310,
60.6833

■ 0.3583, 0.4466,
0.0000

■ 79.7407, 85.3505,
81.8213

■ 0.0000, 0.0000,
0.0000

103.6659,
110.7996, 107.3733

131.9536,

140.8627, 137.7578

164.9692,
175.9243, 173.3934

■ 12.7656, 13.8617,
11.9003

■ 12.7656, 13.8617,
11.9003

■ 12.3440, 13.6935,
9.6793

■ 13.2514, 14.0565,
14.4558

■ 11.9828, 13.5490,
7.7781

■ 13.8027, 14.2770,
17.3579

■ 11.6796, 13.4277,
6.1822

■ 14.4221, 14.5248,
20.6192

■ 11.4313, 13.3284,
4.8759

■ 15.1120, 14.8008,
24.2514

■ 11.2347, 13.2497,
3.8416

■ 15.8745, 15.1058,
28.2656

■ 11.0862, 13.1903,
3.0602

■ 16.7115, 15.4407,
32.6725

■ 10.9816, 13.1484,
2.5101

■ 17.6251, 15.8061,
37.4824

■ 10.9146, 13.1216,
2.1584

■ 18.6171, 16.2029,
42.7052

■ 10.8762, 13.1062,
1.9565

■ 19.6893, 16.6318,
48.3505

Harmonies

Analogous

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



13.4203, 13.8617, 11.7892



12.7656, 13.8617, 11.9003



12.2378, 13.8617, 12.8233

Triad

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



12.7656, 13.8617, 11.9003



12.3567, 13.8617, 18.0143



14.4649, 13.8617, 15.8018

Complementary

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



12.7656, 13.8617, 11.9003



10.6058, 10.7266, 14.8767

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.



14.1592, 13.8617, 17.6159



12.7656, 13.8617, 11.9003



12.9329, 13.8617, 18.9628

Square

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



12.7656, 13.8617, 11.9003



12.0072, 13.8617, 16.3096



13.5933, 13.8617, 18.8111



14.4164, 13.8617, 13.9386

Rectangle

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



12.7656, 13.8617, 11.9003



12.0220, 13.8617, 13.8216



13.5933, 13.8617, 18.8111



14.3997, 13.8617, 16.4401

Sweetspot

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



12.7660, 13.8623, 11.9006



23.6550, 25.1398, 25.5045



11.4555, 11.2411, 11.4637



5.5285, 5.8839, 5.9075



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7660, 13.8623, 11.9006



22.6098, 24.7217, 20.0020



11.9774, 13.4558, 11.8637



3.3331, 3.5835, 3.3335



13.7707, 16.5942, 2.4772



70.1668, 84.5544, 12.6225

Inverse Universe

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



10.6058, 10.7266, 14.8767



17.9317, 17.9312, 26.4470



11.3283, 11.0991, 14.9106



2.9485, 3.0252, 3.8634



3.2288, 1.2915, 17.0014



16.4513, 6.5806, 86.6293

Previews

White Background



This preview shows how the XYZ color 12.7656, 13.8617, 11.9003 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 12.7656, 13.8617, 11.9003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

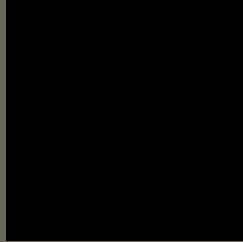
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7656, 13.8617, 11.9003

Background



This preview shows how black text looks on a background with the XYZ color 12.7656, 13.8617, 11.9003.



This preview shows how white text looks on a background with the XYZ color 12.7656, 13.8617,

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

12.7656, 13.8617, 11.9003

Protanopia

13.1025, 13.8900, 11.6633

Deuteranopia

13.9602, 13.7386, 12.0413



Tritanopia

13.7502, 13.8167, 16.6940

Trichromacy



Original Color

12.7656, 13.8617, 11.9003

Protanomaly

12.9801, 13.8270, 11.6576

Deuteranomaly

13.4932, 13.7862, 12.0750

Tritanomaly

13.3618, 13.8056, 14.7925

Monochromacy



Original Color

12.7656, 13.8617, 11.9003

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.9114, 13.7445, 13.7768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7656, 13.8617, 11.9003 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(105, 105, 91)` looks like.

```
.text, #text, p{  
    color:rgb(105, 105, 91)  
}
```

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(105, 105, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 105, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.7656, 13.8617, 11.9003 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(105, 105, 91) }
```


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

```
.border{ border-color:rgb(105, 105, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 105, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 105, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 105, 91);  
box-shadow:4px 4px 4px 4px rgb(105, 105,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7656, 13.8617, 11.9003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 105, 91) }
```

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

```
.background{ background-color: rgb(105,  
105, 91) }
```

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