

Converting Colors

XYZ(12.0163, 12.8562, 11.5707)

Have a look what the booklet for
XYZ(12.0163, 12.8562, 11.5707)
contains.

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Color

**XYZ(11.9786, 12.8703,
11.5257)**

Conversions

Conversions Part 1

Format	Color
Hex	66655A
RGB	102, 101, 90
RGB Percent	40%, 40%, 35%
CMY	0.6000, 0.6039, 0.6471
CMYK	0.00, 0.01, 0.12, 0.60
HSL	55°, 6%, 38%
HSV	55°, 12%, 40%
XYZ	11.9786, 12.8703, 11.5257
YIQ	100.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

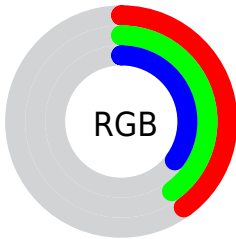
Format	Color
RYB	91, 102, 90
Decimal	6710618
CIELab	42.57, -1.76, 6.37
CIELCh	43, 6.608, 105.457
Yxy	12.8703, 0.3293, 0.3538
Android (android.graphics.Color)	4284900698 (0xFF66655A)
YUV	100.0450, -4.9522, 1.7145
Hunter-Lab	35.8752, -3.1811, 6.0644

Details

The XYZ color **11.9786, 12.8703, 11.5257** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.3557, 10.6149, 14.0735**, and the grayscale version is **12.1363, 12.7684, 13.9048**.

A 20% lighter version of the original color is **29.0987, 31.1222, 29.2845**, and **3.3493, 3.6324, 2.9075** is the 20% darker color. If you saturate the color by 10%, you get **11.4921, 12.5451, 9.3666**, and if you desaturate by 10%, it is **12.5262, 13.2222, 13.9995**.

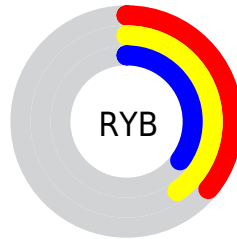
Distribution



Red (40%)

Green (40%)

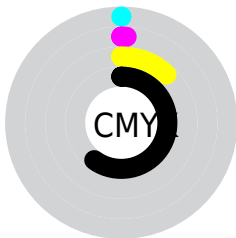
Blue (35%)



Red (36%)

Yellow (40%)

Blue (35%)

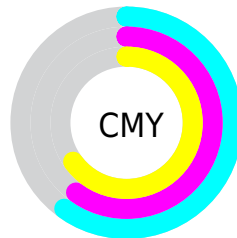


Cyan (0%)

Magenta (1%)

Yellow (12%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9786, 12.8703, 11.5257 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 11.9786, 12.8703, 11.5257 by changing the saturation by 10% instead.

■ 11.9786, 12.8703,
11.5257

■ 11.9786, 12.8703,
11.5257

198.0364,
210.0848, 212.1048

■ 6.8012, 7.3393,
6.3030

■ 29.0733, 31.0706,
29.2796

■ 3.3833, 3.6752,
2.9584

■ 41.7214, 44.5086,
42.6479

■ 1.3596, 1.4936,
1.0735

■ 57.5903, 61.3512,
59.5685

■ 0.2271, 0.2842,
0.0000

■ 77.0455, 81.9826,
80.4600

■ 0.0000, 0.0000,
0.0000

100.4524,
106.7872, 105.7408

128.1763,

136.1496, 135.8295

160.5825,
170.4539, 171.1446

■ 11.9786, 12.8703,
11.5257

■ 11.9786, 12.8703,
11.5257

■ 11.4921, 12.5451,
9.3666

■ 12.5262, 13.2222,
13.9995

■ 11.0634, 12.2438,
7.5087

■ 13.1362, 13.6000,
16.7992

■ 10.6901, 11.9662,
5.9386

■ 13.8111, 14.0051,
19.9364

■ 10.3695, 11.7109,
4.6419

■ 14.5529, 14.4384,
23.4219

■ 10.0985, 11.4768,
3.6025

■ 15.3636, 14.9006,
27.2660

■ 9.8739, 11.2626,
2.8030

■ 16.2452, 15.3925,
31.4786

■ 9.6919, 11.0668,
2.2237

■ 17.1993, 15.9148,
36.0692

■ 9.5477, 10.8875,
1.8395

■ 18.2278, 16.4683,
41.0471

■ 9.4397, 10.7451,
1.5765

■ 19.3322, 17.0535,
46.4209

Harmonies

Analogous

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



12.4756, 12.8703, 11.5157



11.9786, 12.8703, 11.5257



11.5609, 12.8703, 12.1710

Triad

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



11.9786, 12.8703, 11.5257



11.5713, 12.8703, 16.0672



13.1864, 12.8703, 14.7158

Complementary

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



11.9786, 12.8703, 11.5257



10.3557, 10.6149, 14.0735

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.



12.9303, 12.8703, 16.0332



11.9786, 12.8703, 11.5257



11.9932, 12.8703, 16.8488

Square

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



11.9786, 12.8703, 11.5257



11.3301, 12.8703, 14.7596



12.4906, 12.8703, 16.8359



13.1822, 12.8703, 13.2931

Rectangle

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



11.9786, 12.8703, 11.5257



11.3797, 12.8703, 12.9016



12.4906, 12.8703, 16.8359



13.1276, 12.8703, 15.1877

Sweetspot

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



11.9789, 12.8709, 11.5260



21.7328, 23.0398, 23.4816



11.0241, 10.8926, 11.4191



5.1135, 5.4267, 5.4784



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



11.9789, 12.8709, 11.5260



20.7730, 22.4176, 19.1625



11.5267, 12.7824, 11.5327



3.0218, 3.2310, 3.0388



12.1103, 13.7738, 2.0203



62.8540, 71.2220, 10.4345

Inverse Universe

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



10.3557, 10.6149, 14.0735



17.3472, 17.6563, 24.5394



10.7739, 10.7047, 14.0688



2.7095, 2.7969, 3.5290



3.1837, 1.4392, 16.2543



16.3172, 6.9311, 84.6792

Previews

White Background



This preview shows how the XYZ color 11.9786, 12.8703, 11.5257 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 11.9786, 12.8703, 11.5257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

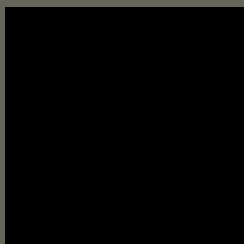
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

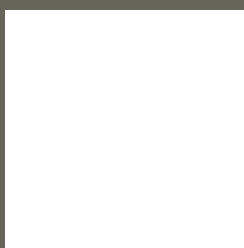
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9786, 12.8703, 11.5257

Background



This preview shows how black text looks on a background with the XYZ color 11.9786, 12.8703, 11.5257.



This preview shows how white text looks on a background with the XYZ color 11.9786, 12.8703,

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

11.9786, 12.8703, 11.5257

Protanopia

12.2283, 12.8558, 11.5098

Deuteranopia

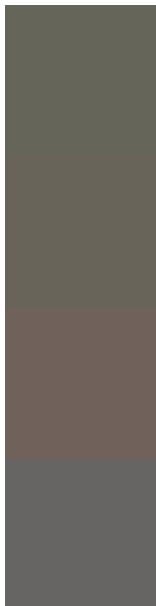
13.1025, 12.8821, 11.6935



Tritanopia

12.7723, 12.9073, 15.4539

Trichromacy



Original Color

11.9786, 12.8703, 11.5257

Protanomaly

12.1116, 12.7956, 11.5043

Deuteranomaly

12.6864, 12.8057, 11.7006

Tritanomaly

12.4509, 12.9180, 13.8938

Monochromacy



Original Color

11.9786, 12.8703, 11.5257

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0353, 12.7256, 12.8883

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9786, 12.8703, 11.5257 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(102, 101, 90)` looks like.

```
.text, #text, p{  
    color:rgb(102, 101, 90)  
}
```

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(102, 101, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 101, 90) }
```

Border

The CSS property to change the border of an element to XYZ 11.9786, 12.8703, 11.5257 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(102, 101, 90) }
```


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

```
.border{ border-color:rgb(102, 101, 90) }
```

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

Here you see how a box with a 4 pixel rgb(102, 101, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 101, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 101, 90);  
box-shadow:4px 4px 4px 4px rgb(102, 101,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9786, 12.8703, 11.5257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 101, 90) }
```

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

```
.background{ background-color: rgb(102,  
101, 90) }
```

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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