

Converting Colors

XYZ(11.9489, 12.9293, 14.4330)

Have a look what the booklet for
XYZ(11.9489, 12.9293, 14.4330)
contains.

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Color

**XYZ(11.9735, 12.9488,
14.4387)**

Conversions

Conversions Part 1

Format	Color
Hex	606666
RGB	96, 102, 102
RGB Percent	38%, 40%, 40%
CMY	0.6235, 0.6000, 0.6000
CMYK	0.06, 0.00, 0.00, 0.60
HSL	180°, 3%, 39%
HSV	180°, 6%, 40%
XYZ	11.9735, 12.9488, 14.4387
YIQ	100.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

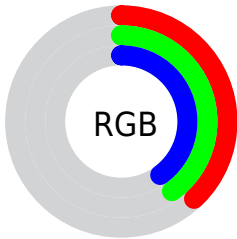
Format	Color
R_{YB}	96, 99, 102
Decimal	6317670
CIE Lab	42.69, -2.31, -0.81
CIE LCh	43, 2.446, 199.245
Yxy	12.9488, 0.3042, 0.3290
Android (android.graphics.Color)	4284507750 (0xFF606666)
YUV	100.2060, 0.8844, -3.6887
Hunter-Lab	35.9844, -3.5785, 1.3991

Details

The XYZ color **11.9735, 12.9488, 14.4387** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.7741, 12.0354, 12.7694**, and the grayscale version is **12.1644, 12.7979, 13.9369**.

A 20% lighter version of the original color is **28.9951, 31.1934, 34.6297**, and **3.3712, 3.6863, 4.1483** is the 20% darker color. If you saturate the color by 10%, you get **10.9692, 12.4314, 14.3914**, and if you desaturate by 10%, it is **13.1178, 13.5391, 14.4931**.

Distribution



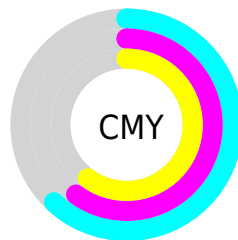
- Red (38%)
- Green (40%)
- Blue (40%)



- Red (38%)
- Yellow (39%)
- Blue (40%)



- Cyan (6%)
- Magenta (0%)
- Yellow (0%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9735, 12.9488, 14.4387 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 11.9735, 12.9488, 14.4387 by changing the saturation by 10% instead.

■ 11.9735, 12.9488,
14.4387

■ 11.9735, 12.9488,
14.4387

198.0033,
210.5893, 231.4657

■ 6.7977, 7.3933,
8.2842

■ 29.0641, 31.2118,
34.5937

■ 3.3811, 3.7093,
4.1870

■ 41.7096, 44.6880,
49.4313

■ 1.3584, 1.5123,
1.7285

■ 57.5758, 61.5733,
68.0003

■ 0.2263, 0.2974,
0.3801

■ 77.0279, 82.2521,
90.7193

■ 0.0000, 0.0000,
0.0000

100.4314,
107.1086, 118.0067

128.1515,

136.5274, 150.2813

160.5537,
170.8928, 187.9615

■ 11.9735, 12.9488,
14.4387

■ 11.9735, 12.9488,
14.4387

■ 10.9692, 12.4314,
14.3914

■ 13.1178, 13.5391,
14.4931

■ 10.0985, 11.9826,
14.3500

■ 14.4061, 14.2032,
14.5540

■ 9.3561, 11.5999,
14.3147

■ 15.8434, 14.9441,
14.6218

■ 8.7360, 11.2802,
14.2851

■ 17.4344, 15.7643,
14.6969

■ 8.2315, 11.0202,
14.2609

■ 19.1834, 16.6660,
14.7793

■ 7.8356, 10.8161,
14.2418

■ 21.0947, 17.6512,
14.8694

■ 7.5402, 10.6638,
14.2274

■ 23.1722, 18.7222,
14.9672

■ 7.3364, 10.5587,
14.2173

■ 25.4199, 19.8809,
15.0729

■ 7.2015, 10.4892,
14.2104

■ 27.8414, 21.1293,
15.1869

Harmonies

Analogous

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



11.9601, 12.9488, 13.9091



11.9735, 12.9488, 14.4387



12.0759, 12.9488, 14.8877

Triad

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



11.9735, 12.9488, 14.4387



12.5798, 12.9488, 14.7770



12.3742, 12.9488, 13.1183

Complementary

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



11.9735, 12.9488, 14.4387



11.7741, 12.0354, 12.7694

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.



12.5420, 12.9488, 13.3387



11.9735, 12.9488, 14.4387



12.6615, 12.9488, 14.2907

Square

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



11.9735, 12.9488, 14.4387



12.4255, 12.9488, 15.0864



12.6475, 12.9488, 13.7648



12.1902, 12.9488, 13.1557

Rectangle

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



11.9735, 12.9488, 14.4387



12.1814, 12.9488, 15.0768



12.6475, 12.9488, 13.7648



12.4344, 12.9488, 13.1645

Sweetspot

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



11.9739, 12.9493, 14.4390



21.7368, 23.0899, 25.3566



11.6974, 12.8400, 12.9284



5.1363, 5.4514, 5.9822



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.



11.9739, 12.9493, 14.4390



20.7527, 22.5825, 25.3100



11.6938, 12.3891, 14.3460



2.9500, 3.2091, 3.5958



9.1809, 13.4360, 18.2462



47.8831, 70.0758, 95.1613

Inverse Universe

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



11.7741, 12.0354, 12.7694



20.3275, 20.6371, 21.7561



12.0436, 12.5745, 12.8589



2.8901, 2.9350, 3.0952



7.0375, 3.6280, 0.3301



36.7041, 18.9216, 1.7193

Previews

White Background



This preview shows how the XYZ color 11.9735, 12.9488, 14.4387 looks on a white background.

Color Contrast Check

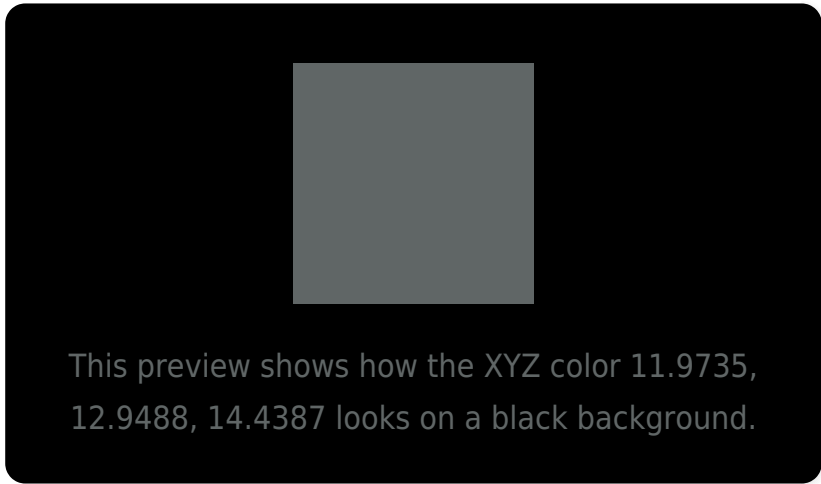
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

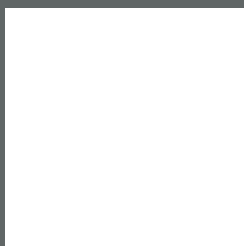
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9735, 12.9488, 14.4387

Background



This preview shows how black text looks on a background with the XYZ color 11.9735, 12.9488, 14.4387.



This preview shows how white text looks on a background with the XYZ color 11.9735, 12.9488,

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

11.9735, 12.9488, 14.4387

Protanopia

12.3856, 12.8787, 14.1450

Deuteranopia

13.1225, 12.9658, 14.6430



Tritanopia

12.3438, 12.9529, 16.3176

Trichromacy

**Original Color**

11.9735, 12.9488, 14.4387

Protanomaly

12.2582, 12.9563, 14.1667

Deuteranomaly

12.6189, 12.8460, 14.6464

Tritanomaly

12.1850, 12.8894, 15.4813

Monochromacy

**Original Color**

11.9735, 12.9488, 14.4387

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.1482, 12.8996, 14.1615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9735, 12.9488, 14.4387 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(96, 102, 102) looks like.

```
.text, #text, p{  
    color:rgb(96, 102, 102)  
}
```

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(96, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 102) }
```

Border

The CSS property to change the border of an element to XYZ 11.9735, 12.9488, 14.4387 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(96, 102, 102) }
```


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

```
.border{ border-color:rgb(96, 102, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 102, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9735, 12.9488, 14.4387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 102) }
```

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

```
.background{ background-color: rgb(96, 102,  
102) }
```

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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