

Converting Colors

XYZ(11.9253, 12.9789, 11.9561)

Have a look what the booklet for
XYZ(11.9253, 12.9789, 11.9561)
contains.

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Color

**XYZ(11.9387, 12.9848,
12.0023)**

Conversions

Conversions Part 1

Format	Color
Hex	64665C
RGB	100, 102, 92
RGB Percent	39%, 40%, 36%
CMY	0.6078, 0.6000, 0.6392
CMYK	0.02, 0.00, 0.10, 0.60
HSL	72°, 5%, 38%
HSV	72°, 10%, 40%
XYZ	11.9387, 12.9848, 12.0023
YIQ	100.2620, 2.0180, -3.5340

Conversions

Conversions Part 2

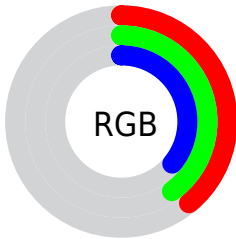
Format	Color
RYB	92, 102, 94
Decimal	6579804
CIELab	42.74, -2.79, 5.38
CIElCh	43, 6.059, 117.374
Yxy	12.9848, 0.3233, 0.3516
Android (android.graphics.Color)	4284769884 (0xFF64665C)
YUV	100.2620, -4.0732, -0.2298
Hunter-Lab	36.0344, -3.9208, 5.4759

Details

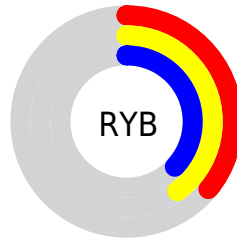
The XYZ color **11.9387, 12.9848, 12.0023** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.8420, 10.9936, 14.1216**, and the grayscale version is **12.1901, 12.8249, 13.9663**.

A 20% lighter version of the original color is **29.0362, 31.3148, 30.1052**, and **3.3275, 3.6865, 3.1210** is the 20% darker color. If you saturate the color by 10%, you get **11.2996, 12.7038, 9.7994**, and if you desaturate by 10%, it is **12.6442, 13.2938, 14.5223**.

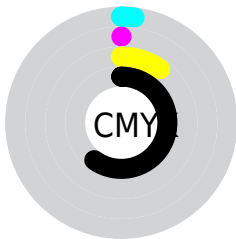
Distribution



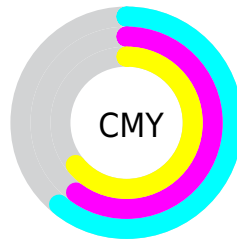
- Red (39%)
- Green (40%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (37%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9387, 12.9848, 12.0023 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 11.9387, 12.9848, 12.0023 by changing the saturation by 10% instead.

■ 11.9387, 12.9848,
12.0023

■ 11.9387, 12.9848,
12.0023

197.7773,
210.8202, 215.3990

■ 6.7739, 7.4181,
6.6227

■ 29.0012, 31.2765,
30.1638

■ 3.3661, 3.7249,
3.1524

■ 41.6296, 44.7702,
43.7827

■ 1.3502, 1.5209,
1.1730

■ 57.4766, 61.6751,
60.9851

■ 0.2203, 0.3034,
0.0000

■ 76.9075, 82.3755,
82.1896

■ 0.0000, 0.0000,
0.0000

100.2876,
107.2558, 107.8147

127.9824,

136.7004, 138.2789

160.3572,
171.0938, 174.0008

■ 11.9387, 12.9848,
12.0023

■ 11.9387, 12.9848,
12.0023

■ 11.2996, 12.7038,
9.7994

■ 12.6442, 13.2938,
14.5223

■ 10.7235, 12.4483,
7.9003

■ 13.4174, 13.6302,
17.3704

■ 10.2081, 12.2176,
6.2918

■ 14.2607, 13.9953,
20.5582

■ 9.7507, 12.0108,
4.9595

■ 15.1763, 14.3899,
24.0963

■ 9.3481, 11.8266,
3.8878

■ 16.1662, 14.8149,
27.9950

■ 8.9973, 11.6637,
3.0596

■ 17.2322, 15.2711,
32.2641

■ 8.6943, 11.5206,
2.4556

■ 18.3762, 15.7591,
36.9131

■ 8.4351, 11.3956,
2.0536

■ 19.5999, 16.2797,
41.9511

■ 8.1999, 11.2808,
1.7509

■ 20.9051, 16.8336,
47.3868

Harmonies

Analogous

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



12.3823, 12.9848, 11.7517



11.9387, 12.9848, 12.0023



11.6103, 12.9848, 12.8137

Triad

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



11.9387, 12.9848, 12.0023



11.8701, 12.9848, 16.3850



13.2482, 12.9848, 14.2548

Complementary

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



11.9387, 12.9848, 12.0023



10.8420, 10.9936, 14.1216

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.



13.1031, 12.9848, 15.5511



11.9387, 12.9848, 12.0023



12.3011, 12.9848, 16.8278

Square

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



11.9387, 12.9848, 12.0023



11.5714, 12.9848, 15.3375



12.7536, 12.9848, 16.5136



13.1454, 12.9848, 13.0032

Rectangle

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



11.9387, 12.9848, 12.0023



11.4970, 12.9848, 13.5908



12.7536, 12.9848, 16.5136



13.2267, 12.9848, 14.7002

Sweetspot

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



11.9391, 12.9854, 12.0026



21.7553, 23.1304, 23.9554



11.4144, 11.6033, 11.7635



5.1125, 5.4480, 5.5802



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.



11.9391, 12.9854, 12.0026



20.6419, 22.6425, 20.0161



11.4029, 12.7090, 11.9775



2.9894, 3.2417, 3.0426



10.4941, 14.4686, 2.2396



54.0136, 75.0910, 11.6472

Inverse Universe

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



10.8420, 10.9936, 14.1216



18.2592, 18.3164, 24.6187



11.3715, 11.2666, 14.1464



2.7393, 2.7877, 3.5257



3.4328, 1.4138, 16.2363



17.3067, 7.0662, 84.6531

Previews

White Background



This preview shows how the XYZ color 11.9387, 12.9848, 12.0023 looks on a white background.

Color Contrast Check

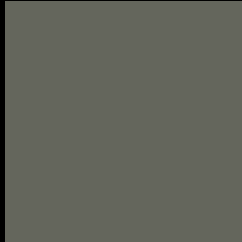
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9387, 12.9848, 12.0023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

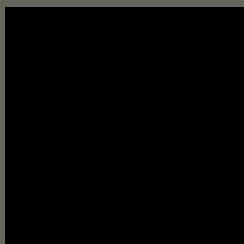
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

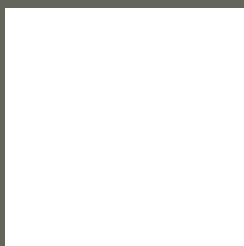
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9387, 12.9848, 12.0023

Background



This preview shows how black text looks on a background with the XYZ color 11.9387, 12.9848, 12.0023.



This preview shows how white text looks on a background with the XYZ color 11.9387, 12.9848,

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

11.9387, 12.9848, 12.0023

Protanopia

12.3677, 13.0659, 11.7677

Deuteranopia

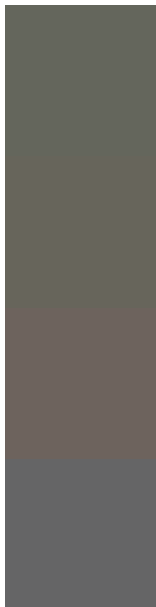
13.1899, 12.9171, 12.1540



Tritanopia

12.7434, 13.0218, 16.0292

Trichromacy



Original Color

11.9387, 12.9848, 12.0023

Protanomaly

12.1355, 12.9463, 11.7568

Deuteranomaly

12.7443, 12.9652, 12.1868

Tritanomaly

12.4188, 13.0334, 14.4315

Monochromacy



Original Color

11.9387, 12.9848, 12.0023

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.0669, 12.8798, 13.1593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9387, 12.9848, 12.0023 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(100, 102, 92)` looks like.

```
.text, #text, p{  
    color:rgb(100, 102, 92)  
}
```

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(100, 102, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 102, 92) }
```

Border

The CSS property to change the border of an element to XYZ 11.9387, 12.9848, 12.0023 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(100, 102, 92) }
```


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

```
.border{ border-color:rgb(100, 102, 92) }
```

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

Here you see how a box with a 4 pixel rgb(100, 102, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 102, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 102, 92);  
box-shadow:4px 4px 4px 4px rgb(100, 102,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9387, 12.9848, 12.0023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 102, 92) }
```

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

```
.background{ background-color: rgb(100,  
102, 92) }
```

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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