

Converting Colors

XYZ(12.2007, 12.9939, 9.2736)

Have a look what the booklet for
XYZ(12.2007, 12.9939, 9.2736)
contains.

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Color

**XYZ(12.2493, 13.0600,
9.2724)**

Conversions

Conversions Part 1

Format	Color
Hex	6C654F
RGB	108, 101, 79
RGB Percent	42%, 40%, 31%
CMY	0.5765, 0.6039, 0.6902
CMYK	0.00, 0.06, 0.27, 0.58
HSL	46°, 16%, 37%
HSV	46°, 27%, 42%
XYZ	12.2493, 13.0600, 9.2724
YIQ	100.5850, 11.2340, -5.3580

Conversions

Conversions Part 2

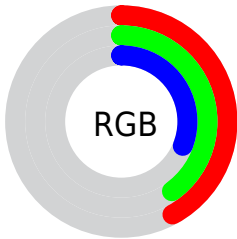
Format	Color
R_{YB}	88, 108, 79
Decimal	7103823
CIE Lab	42.85, -1.12, 13.48
CIE LCh	43, 13.527, 94.754
Yxy	13.0600, 0.3542, 0.3777
Android (android.graphics.Color)	4285293903 (0xFF6C654F)
YUV	100.5850, -10.6414, 6.5030
Hunter-Lab	36.1386, -2.7395, 10.0845

Details

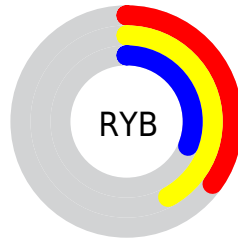
The XYZ color **12.2493, 13.0600, 9.2724** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **9.2590, 9.4004, 15.5139**, and the grayscale version is **12.2875, 12.9274, 14.0780**.

A 20% lighter version of the original color is **29.6217, 31.4886, 24.9387**, and **3.4714, 3.7145, 2.0474** is the 20% darker color. If you saturate the color by 10%, you get **11.6388, 12.4178, 7.2845**, and if you desaturate by 10%, it is **12.9324, 13.7450, 11.6000**.

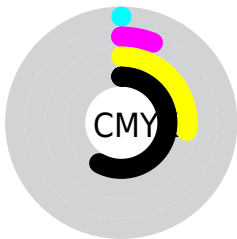
Distribution



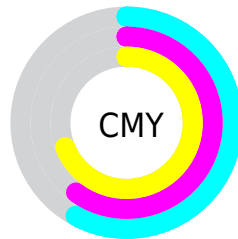
- Red (42%)
- Green (40%)
- Blue (31%)



- Red (35%)
- Yellow (42%)
- Blue (31%)



- Cyan (0%)
- Magenta (6%)
- Yellow (27%)
- Black (58%)



- Cyan (58%)
- Magenta (60%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2493, 13.0600, 9.2724 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 12.2493, 13.0600, 9.2724 by changing the saturation by 10% instead.

■ 12.2493, 13.0600,
9.2724

■ 12.2493, 13.0600,
9.2724

199.7852,
211.3018, 195.6895

■ 6.9871, 7.4699,
4.8200

■ 29.5613, 31.4115,
25.0037

■ 3.5003, 3.7577,
2.0852

■ 42.3418, 44.9417,
37.1198

■ 1.4235, 1.5389,
0.6069

■ 58.3591, 61.8874,
52.6274

■ 0.2729, 0.3159,
0.0000

■ 77.9785, 82.6330,
71.9453

■ 0.0000, 0.0000,
0.0000

■ 101.5655,
107.5628, 95.4919

129.4854,

137.0613, 123.6858

162.1035,
171.5128, 156.9454

■ 12.2493, 13.0600,
9.2724

■ 12.2493, 13.0600,
9.2724

■ 11.6388, 12.4178,
7.2845

■ 12.9324, 13.7450,
11.6000

■ 11.0967, 11.8152,
5.6193

■ 13.6900, 14.4723,
14.2816

■ 10.6200, 11.2514,
4.2593

■ 14.5253, 15.2438,
17.3318

■ 10.2049, 10.7247,
3.1854

■ 15.4408, 16.0605,
20.7640

■ 9.8473, 10.2333,
2.3760

■ 16.4391, 16.9237,
24.5909

■ 9.5424, 9.7753,
1.8065

■ 17.5225, 17.8343,
28.8248

■ 9.2780, 9.3456,
1.4125

■ 18.6933, 18.7934,
33.4773

■ 9.1971, 9.2137,
1.2937

■ 19.9537, 19.8019,
38.5596

■ 21.3058, 20.8608,
44.0824

Harmonies

Analogous

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



13.2794, 13.0600, 9.6717



12.2493, 13.0600, 9.2724



11.3153, 13.0600, 10.0408

Triad

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



12.2493, 13.0600, 9.2724



10.8521, 13.0600, 17.7145



14.2972, 13.0600, 16.7861

Complementary

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



12.2493, 13.0600, 9.2724



9.2590, 9.4004, 15.5139

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.



13.5798, 13.0600, 19.4229



12.2493, 13.0600, 9.2724



11.5853, 13.0600, 20.0089

Square

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



12.2493, 13.0600, 9.2724



10.5376, 13.0600, 14.6966



12.5784, 13.0600, 20.6736



14.4990, 13.0600, 13.7540

Rectangle

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



12.2493, 13.0600, 9.2724



10.8611, 13.0600, 11.1843



12.5784, 13.0600, 20.6736



14.1064, 13.0600, 17.7609

Sweetspot

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



12.2496, 13.0606, 9.2727



23.8448, 25.2290, 24.3923



10.6703, 9.4562, 10.1200



5.7308, 6.0679, 5.7586



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.2496, 13.0606, 9.2727



20.8456, 22.2417, 14.1093



12.1128, 14.0420, 9.4693



3.2743, 3.4660, 3.3139



10.9485, 10.9468, 1.5359



55.0886, 54.3809, 7.5931

Inverse Universe

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



9.2590, 9.4004, 15.5139



14.6845, 14.7028, 26.9717



9.3637, 8.6652, 15.3664



3.0023, 3.1329, 3.8813



3.6511, 2.1364, 17.1422



18.0184, 9.7154, 87.1518

Previews

White Background



This preview shows how the XYZ color 12.2493, 13.0600, 9.2724 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 12.2493, 13.0600, 9.2724 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

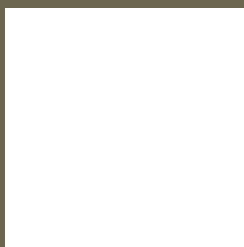
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.2493, 13.0600, 9.2724

Background



This preview shows how black text looks on a background with the XYZ color 12.2493, 13.0600, 9.2724.



This preview shows how white text looks on a background with the XYZ color 12.2493, 13.0600,

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

12.2493, 13.0600, 9.2724

Protanopia

12.2493, 13.0600, 9.2724

Deuteranopia

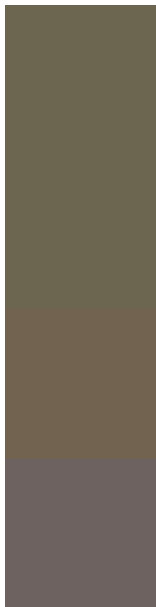
13.1939, 12.9801, 9.3994



Tritanopia

13.3800, 12.9488, 15.1588

Trichromacy



Original Color

12.2493, 13.0600, 9.2724

Protanomaly

12.2493, 13.0600, 9.2724

Deuteranomaly

12.7551, 12.8920, 9.4055

Tritanomaly

12.9094, 12.8949, 12.8749

Monochromacy



Original Color

12.2493, 13.0600, 9.2724

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3384, 13.0407, 12.2227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2493, 13.0600, 9.2724 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(108, 101, 79)` looks like.

```
.text, #text, p{  
    color:rgb(108, 101, 79)  
}
```

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(108, 101, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 101, 79) }
```

Border

The CSS property to change the border of an element to XYZ 12.2493, 13.0600, 9.2724 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(108, 101, 79) }
```


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

```
.border{ border-color:rgb(108, 101, 79) }
```

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

Here you see how a box with a 4 pixel rgb(108, 101, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 101, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 101, 79);  
box-shadow:4px 4px 4px 4px rgb(108, 101,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2493, 13.0600, 9.2724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 101, 79) }
```

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

```
.background{ background-color: rgb(108,  
101, 79) }
```

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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