

Converting Colors

XYZ(12.5225, 14.4732, 6.6910)

Have a look what the booklet for
XYZ(12.5225, 14.4732, 6.6910)
contains.

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Color

**XYZ(12.5225, 14.4732,
6.6910)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6D3E
RGB	108, 109, 62
RGB Percent	42%, 43%, 24%
CMY	0.5765, 0.5725, 0.7569
CMYK	0.01, 0.00, 0.43, 0.57
HSL	61°, 27%, 34%
HSV	61°, 43%, 43%
XYZ	12.5225, 14.4732, 6.6910
YIQ	103.3430, 14.4910, -14.8290

Conversions

Conversions Part 2

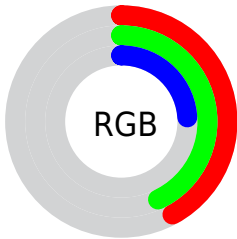
Format	Color
R_{YB}	62, 109, 63
Decimal	7105854
CIE Lab	44.90, -8.10, 26.08
CIE LCh	45, 27.311, 107.243
Yxy	14.4732, 0.3717, 0.4296
Android (android.graphics.Color)	4285295934 (0xFF6C6D3E)
YUV	103.3430, -20.3821, 4.0842
Hunter-Lab	38.0437, -7.8211, 16.2028

Details

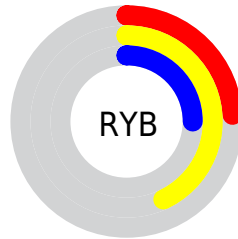
The XYZ color **12.5225, 14.4732, 6.6910** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.5333, 5.6064, 15.2066**, and the grayscale version is **13.0330, 13.7118, 14.9321**.

A 20% lighter version of the original color is **29.8825, 33.7410, 19.6895**, and **3.6274, 4.4155, 1.1914** is the 20% darker color. If you saturate the color by 10%, you get **12.2248, 14.3514, 5.2694**, and if you desaturate by 10%, it is **12.8810, 14.6204, 8.4293**.

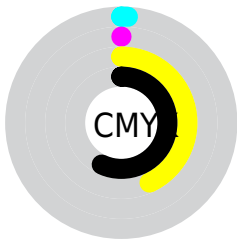
Distribution



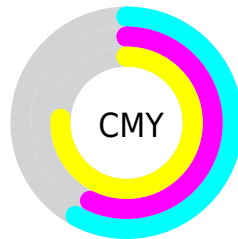
- Red (42%)
- Green (43%)
- Blue (24%)



- Red (24%)
- Yellow (43%)
- Blue (25%)



- Cyan (1%)
- Magenta (0%)
- Yellow (43%)
- Black (57%)



- Cyan (58%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5225, 14.4732, 6.6910 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 12.5225, 14.4732, 6.6910 by changing the saturation by 10% instead.

12.5225, 14.4732,
6.6910

12.5225, 14.4732,
6.6910

201.5344,
220.1551, 174.6032

7.1753, 8.4505,
3.1941

30.0519, 33.9263,
19.8510

3.6193, 4.3845,
1.1946

42.9648, 48.1256,
30.3512

1.4891, 1.8909,
0.0000

59.1303, 65.8191,
44.0229

0.3184, 0.5429,
0.0000

78.9138, 87.3913,
61.2847

0.0000, 0.0000,
0.0000

102.6806,
113.2266, 82.5551

130.7960,

143.7094, 108.2526

163.6255,
179.2241, 138.7958

■ 12.5225, 14.4732,
6.6910

■ 12.5225, 14.4732,
6.6910

■ 12.2248, 14.3514,
5.2694

■ 12.8810, 14.6204,
8.4293

■ 11.9833, 14.2515,
4.1447

■ 13.3025, 14.7923,
10.5009

■ 11.7943, 14.1727,
3.2959

■ 13.7905, 14.9908,
12.9223

■ 11.6533, 14.1130,
2.6995

■ 14.3479, 15.2170,
15.7084

■ 11.5540, 14.0701,
2.3222

■ 14.9774, 15.4721,
18.8737

■ 11.4937, 14.0438,
2.1049

■ 15.6814, 15.7570,
22.4315

■ 16.4626, 16.0728,
26.3947

■ 17.3230, 16.4203,
30.7754

■ 18.2651, 16.8005,
35.5854

Harmonies

Analogous

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



14.7263, 14.4732, 6.5512



12.5225, 14.4732, 6.6910



10.8386, 14.4732, 8.7984

Triad

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



12.5225, 14.4732, 6.6910



11.0426, 14.4732, 26.6209



18.3830, 14.4732, 18.6329

Complementary

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



12.5225, 14.4732, 6.6910



6.5333, 5.6064, 15.2066

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.



17.1557, 14.4732, 25.6671



12.5225, 14.4732, 6.6910



12.8299, 14.4732, 31.0506

Square

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



12.5225, 14.4732, 6.6910



10.0498, 14.4732, 19.6920



15.0687, 14.4732, 30.6607



18.2777, 14.4732, 12.3878

Rectangle

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



12.5225, 14.4732, 6.6910



10.1648, 14.4732, 11.4650



15.0687, 14.4732, 30.6607



18.1075, 14.4732, 21.0097

Sweetspot

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



12.5229, 14.4739, 6.6913



24.6703, 26.8327, 23.0261



8.9421, 7.1304, 5.4626



5.7038, 6.2290, 5.1733



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.



12.5229, 14.4739, 6.6913



21.8738, 25.6906, 9.3622



10.0593, 13.2038, 6.5760



3.3271, 3.5804, 3.3332



13.4400, 16.4238, 2.4617



68.3843, 83.6355, 12.5390

Inverse Universe

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



6.5333, 5.6064, 15.2066



9.5780, 7.4843, 26.8470



8.3472, 6.5416, 15.2915



2.9538, 3.0279, 3.8636



3.2599, 1.3076, 17.0028



16.5163, 6.6141, 86.6323

Previews

White Background



This preview shows how the XYZ color 12.5225, 14.4732, 6.6910 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 12.5225, 14.4732, 6.6910 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 12.5225, 14.4732, 6.6910

Background



This preview shows how black text looks on a background with the XYZ color 12.5225, 14.4732, 6.6910.



This preview shows how white text looks on a background with the XYZ color 12.5225, 14.4732,

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

12.5225, 14.4732, 6.6910

Protanopia

13.1988, 14.3580, 6.4906

Deuteranopia

14.6324, 14.3447, 6.8481



Tritanopia

14.6589, 14.4256, 17.0507

Trichromacy



Original Color

12.5225, 14.4732, 6.6910

Protanomaly

12.9101, 14.3630, 6.5068

Deuteranomaly

13.7327, 14.3245, 6.7437

Tritanomaly

13.7095, 14.3382, 12.4009

Monochromacy



Original Color

12.5225, 14.4732, 6.6910

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6387, 13.8110, 11.2322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5225, 14.4732, 6.6910 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, 109, 62)` looks like.

```
.text, #text, p{  
    color:rgb(108, 109, 62)  
}
```

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, 109, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 109, 62) }
```

Border

The CSS property to change the border of an element to XYZ 12.5225, 14.4732, 6.6910 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, 109, 62) }
```


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

```
.border{ border-color:rgb(108, 109, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 109, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 109, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 109, 62);  
box-shadow:4px 4px 4px 4px rgb(108, 109,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5225, 14.4732, 6.6910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 109, 62) }
```

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

```
.background{ background-color: rgb(108,  
109, 62) }
```

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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