

Converting Colors

XYZ(12.5025, 12.3074, 15.9724)

Have a look what the booklet for
XYZ(12.5025, 12.3074, 15.9724)
contains.

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Color

**XYZ(12.4832, 12.3320,
15.9097)**

Conversions

Conversions Part 1

Format	Color
Hex	67606C
RGB	103, 96, 108
RGB Percent	40%, 38%, 42%
CMY	0.5961, 0.6235, 0.5765
CMYK	0.05, 0.11, 0.00, 0.58
HSL	275°, 6%, 40%
HSV	275°, 11%, 42%
XYZ	12.4832, 12.3320, 15.9097
YIQ	99.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

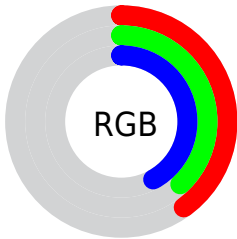
Format	Color
R _Y B	103, 96, 108
Decimal	6774892
CIE Lab	41.74, 5.28, -5.79
CIE LCh	42, 7.837, 312.359
Yxy	12.3320, 0.3065, 0.3028
Android (android.graphics.Color)	4284964972 (0xFF67606C)
YUV	99.4610, 4.2097, 3.1037
Hunter-Lab	35.1169, 1.9976, -2.2794

Details

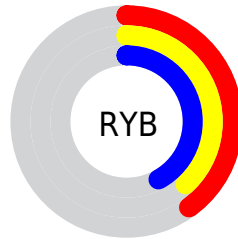
The XYZ color **12.4832, 12.3320, 15.9097** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8410, 14.3366, 13.1573**, and the grayscale version is **11.9661, 12.5892, 13.7097**.

A 20% lighter version of the original color is **29.8633, 29.9310, 37.0042**, and **3.6138, 3.4589, 4.8920** is the 20% darker color. If you saturate the color by 10%, you get **11.0625, 10.2363, 15.5802**, and if you desaturate by 10%, it is **14.0678, 14.7139, 16.2861**.

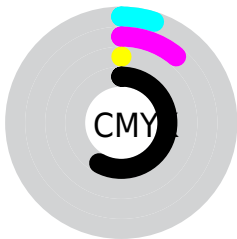
Distribution



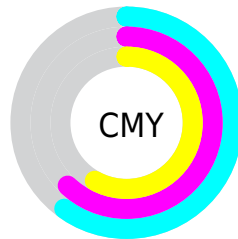
- Red (40%)
- Green (38%)
- Blue (42%)



- Red (40%)
- Yellow (38%)
- Blue (42%)



- Cyan (5%)
- Magenta (11%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (62%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4832, 12.3320, 15.9097 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 12.4832, 12.3320, 15.9097 by changing the saturation by 10% instead.

■ 12.4832, 12.3320,
15.9097

■ 12.4832, 12.3320,
15.9097

201.2837,
206.5910, 240.6358

■ 7.1482, 6.9702,
9.3066

■ 29.9814, 30.0983,
37.2060

■ 3.6021, 3.4435,
4.8422

■ 42.8754, 43.2717,
52.7362

■ 1.4796, 1.3674,
2.0978

■ 59.0196, 59.8177,
72.0793

■ 0.3119, 0.1925,
0.6145

■ 78.7796, 80.1207,
95.6538

■ 0.0000, 0.0000,
0.0000

102.5207,
104.5651, 123.8781

130.6081,

133.5354, 157.1708

163.4074,
167.4159, 195.9505

■ 12.4832, 12.3320,
15.9097

■ 12.4832, 12.3320,
15.9097

■ 11.0625, 10.2363,
15.5802

■ 14.0678, 14.7139,
16.2861

■ 9.7988, 8.4139,
15.2951

■ 15.8207, 17.3910,
16.7105

■ 8.6860, 6.8536,
15.0526

■ 17.7478, 20.3737,
17.1846

■ 7.7174, 5.5423,
14.8505

■ 19.8541, 23.6717,
17.7102

■ 6.8857, 4.4662,
14.6867

■ 22.1443, 27.2940,
18.2886

6.1827, 3.6099,
14.5584

24.6232, 31.2494,
18.9215

5.5996, 2.9560,
14.4629

27.2953, 35.5463,
19.6100

5.1259, 2.4845,
14.3969

30.1649, 40.1928,
20.3556

4.7568, 2.1395,
14.3498

33.2361, 45.1968,
21.1596

Harmonies

Analogous

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



11.9598, 12.3320, 16.7695



12.4832, 12.3320, 15.9097



12.8084, 12.3320, 14.4116

Triad

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



12.4832, 12.3320, 15.9097



12.0600, 12.3320, 10.6264



10.6725, 12.3320, 14.1177

Complementary

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



12.4832, 12.3320, 15.9097



12.8410, 14.3366, 13.1573

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.



10.6973, 12.3320, 12.4892



12.4832, 12.3320, 15.9097



11.4858, 12.3320, 10.5619

Square

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



12.4832, 12.3320, 15.9097



12.5586, 12.3320, 11.4021



10.9909, 12.3320, 11.2178



10.9219, 12.3320, 15.6795

Rectangle

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



12.4832, 12.3320, 15.9097



12.8627, 12.3320, 13.2973



10.9909, 12.3320, 11.2178



10.6493, 12.3320, 13.5584

Sweetspot

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



12.4836, 12.3325, 15.9100



24.1259, 24.9669, 28.4552



12.1847, 12.8773, 16.0309



5.7914, 5.9704, 6.8759



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.



12.4836, 12.3325, 15.9100



21.3320, 20.7826, 27.7948



13.0214, 12.6159, 15.6589



3.1016, 3.1041, 3.8706



5.6423, 2.5358, 17.1143



27.7446, 12.4025, 87.1578

Inverse Universe

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



12.7165, 12.4939, 14.0536



21.8225, 21.1219, 23.9103



12.3445, 14.0753, 13.3760



3.1472, 3.1358, 3.5054



7.9282, 4.0234, 3.2505



39.9845, 20.3358, 14.3872

Previews

White Background



This preview shows how the XYZ color 12.4832, 12.3320, 15.9097 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 12.4832, 12.3320, 15.9097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

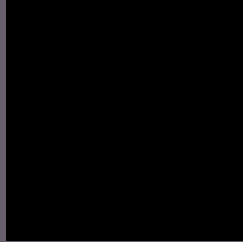
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4832, 12.3320, 15.9097

Background



This preview shows how black text looks on a background with the XYZ color 12.4832, 12.3320, 15.9097.



This preview shows how white text looks on a background with the XYZ color 12.4832, 12.3320,

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

12.4832, 12.3320, 15.9097

Protanopia

12.0578, 12.3809, 16.2222

Deuteranopia

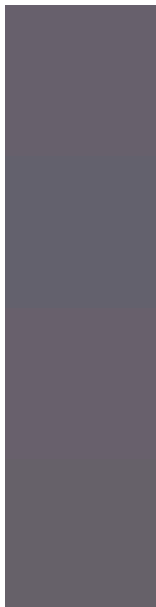
12.5986, 12.3915, 15.9151



Tritanopia

12.2529, 12.3736, 14.8393

Trichromacy



Original Color

12.4832, 12.3320, 15.9097

Protanomaly

12.1806, 12.3062, 16.2013

Deuteranomaly

12.5986, 12.3915, 15.9151

Tritanomaly

12.3040, 12.3941, 15.1084

Monochromacy



Original Color

12.4832, 12.3320, 15.9097

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0215, 12.4040, 14.3310

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4832, 12.3320, 15.9097 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(103, 96, 108)` looks like.

```
.text, #text, p{  
    color:rgb(103, 96, 108)  
}
```

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(103, 96, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 96, 108) }
```

Border

The CSS property to change the border of an element to XYZ 12.4832, 12.3320, 15.9097 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(103, 96, 108) }
```


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

```
.border{ border-color:rgb(103, 96, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 96, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 96, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 96, 108);  
box-shadow:4px 4px 4px 4px rgb(103, 96,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4832, 12.3320, 15.9097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 96, 108) }
```

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

```
.background{ background-color: rgb(103, 96,  
108) }
```

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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