

Converting Colors

XYZ(12.1264, 12.8779, 13.1315)

Have a look what the booklet for
XYZ(12.1264, 12.8779, 13.1315)
contains.

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Color

**XYZ(12.1782, 12.9371,
13.1645)**

Conversions

Conversions Part 1

Format	Color
Hex	656561
RGB	101, 101, 97
RGB Percent	40%, 40%, 38%
CMY	0.6039, 0.6039, 0.6196
CMYK	0.00, 0.00, 0.04, 0.60
HSL	60°, 2%, 39%
HSV	60°, 4%, 40%
XYZ	12.1782, 12.9371, 13.1645
YIQ	100.5440, 1.2840, -1.2440

Conversions

Conversions Part 2

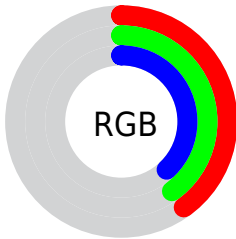
Format	Color
RYB	97, 101, 97
Decimal	6645089
CIELab	42.67, -0.81, 2.26
CIELCh	43, 2.398, 109.800
Yxy	12.9371, 0.3181, 0.3380
Android (android.graphics.Color)	4284835169 (0xFF656561)
YUV	100.5440, -1.7472, 0.3999
Hunter-Lab	35.9682, -2.5073, 3.4773

Details

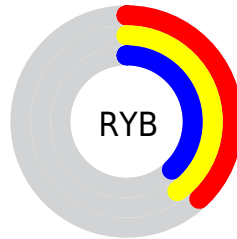
The XYZ color **12.1782, 12.9371, 13.1645** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.5538, 12.0307, 14.0257**, and the grayscale version is **12.2567, 12.8950, 14.0426**.

A 20% lighter version of the original color is **29.5224, 31.2700, 32.4967**, and **3.4380, 3.6616, 3.6575** is the 20% darker color. If you saturate the color by 10%, you get **11.7367, 12.7609, 10.8400**, and if you desaturate by 10%, it is **12.6804, 13.1384, 15.8054**.

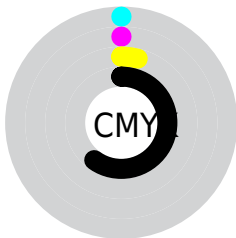
Distribution



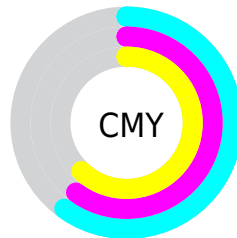
- Red (40%)
- Green (40%)
- Blue (38%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (4%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1782, 12.9371, 13.1645 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 12.1782, 12.9371, 13.1645 by changing the saturation by 10% instead.

■ 12.1782, 12.9371,
13.1645

■ 12.1782, 12.9371,
13.1645

199.3274,
210.5142, 223.2140

■ 6.9382, 7.3852,
7.4099

■ 29.4333, 31.1907,
32.2945

■ 3.4695, 3.7042,
3.6374

■ 42.1791, 44.6613,
46.5070

■ 1.4066, 1.5095,
1.4286

■ 58.1576, 61.5402,
64.3758

■ 0.2609, 0.2954,
0.1639

■ 77.7341, 82.2119,
86.3195

■ 0.0000, 0.0000,
0.0000

101.2740,
107.0608, 112.7566

129.1426,

136.4712, 144.1057

161.7053,
170.8275, 180.7853

■ 12.1782, 12.9371,
13.1645

■ 12.1782, 12.9371,
13.1645

■ 11.7367, 12.7609,
10.8400

■ 12.6804, 13.1384,
15.8054

■ 11.3527, 12.6072,
8.8193

■ 13.2443, 13.3640,
18.7732

■ 11.0240, 12.4757,
7.0902

■ 13.8724, 13.6153,
22.0787

■ 10.7480, 12.3653,
5.6390

■ 14.5665, 13.8930,
25.7321

■ 10.5222, 12.2749,
4.4514

■ 15.3285, 14.1979,
29.7433

■ 10.3433, 12.2033,
3.5115

■ 16.1603, 14.5306,
34.1214

■ 10.2082, 12.1492,
2.8019

■ 17.0635, 14.8919,
38.8757

■ 10.1131, 12.1111,
2.3027

■ 18.0397, 15.2824,
44.0147

■ 10.0511, 12.0863,
1.9783

■ 19.0906, 15.7029,
49.5468

Harmonies

Analogous

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



12.3584, 12.9371, 13.1231



12.1782, 12.9371, 13.1645



12.0310, 12.9371, 13.4495

Triad

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



12.1782, 12.9371, 13.1645



12.0719, 12.9371, 14.8655



12.6439, 12.9371, 14.2645

Complementary

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



12.1782, 12.9371, 13.1645



11.5538, 12.0307, 14.0257

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.



12.5655, 12.9371, 14.7429



12.1782, 12.9371, 13.1645



12.2345, 12.9371, 15.0956

Square

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



12.1782, 12.9371, 13.1645



11.9701, 12.9371, 14.4284



12.4152, 12.9371, 15.0502



12.6284, 12.9371, 13.7496

Rectangle

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



12.1782, 12.9371, 13.1645



11.9709, 12.9371, 13.7432



12.4152, 12.9371, 15.0502



12.6276, 12.9371, 14.4351

Sweetspot

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



12.1786, 12.9377, 13.1648



21.1486, 22.3066, 23.8726



11.7996, 12.1794, 13.0384



5.2055, 5.4893, 5.8835



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.



12.1786, 12.9377, 13.1648



20.8121, 22.1720, 22.1018



11.9574, 12.8236, 13.1544



3.0813, 3.2843, 3.2614



13.1350, 15.8300, 2.3632



68.5047, 82.5614, 12.3254

Inverse Universe

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



11.5538, 12.0307, 14.0257



19.4309, 20.1668, 24.0052



11.7696, 12.1419, 14.0358



2.8682, 2.9750, 3.5550



3.0806, 1.2323, 16.2198



16.0655, 6.4263, 84.5951

Previews

White Background



This preview shows how the XYZ color 12.1782, 12.9371, 13.1645 looks on a white background.

Color Contrast Check

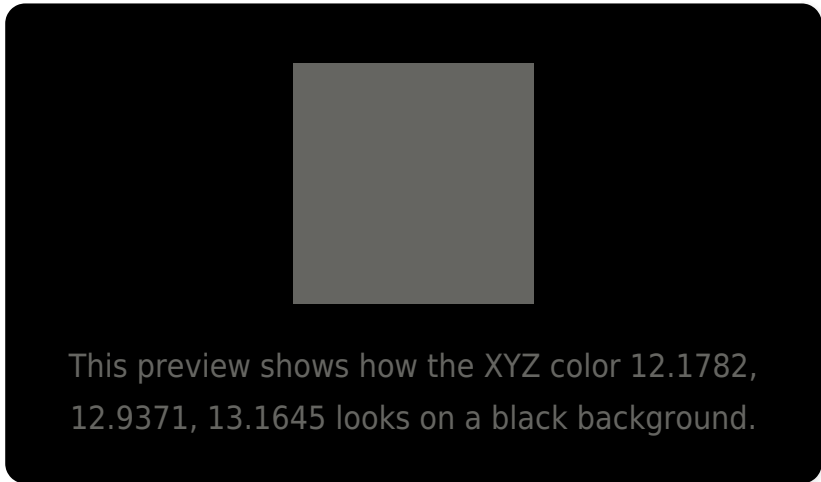
Large Text (above 18pt) WCAG AA ✓ Pass

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

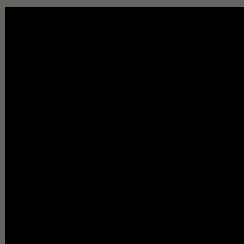
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

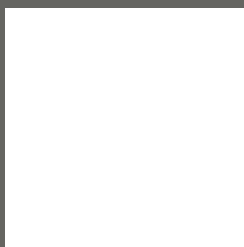
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1782, 12.9371, 13.1645

Background



This preview shows how black text looks on a background with the XYZ color 12.1782, 12.9371, 13.1645.



This preview shows how white text looks on a background with the XYZ color 12.1782, 12.9371,

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

12.1782, 12.9371, 13.1645

Protanopia

12.3084, 12.8610, 13.1430

Deuteranopia

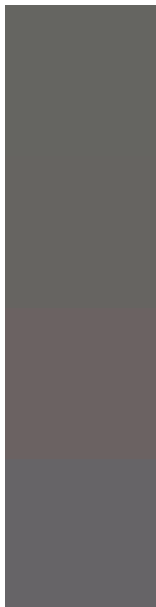
13.0348, 12.8107, 13.3410



Tritanopia

12.7092, 12.8688, 15.7240

Trichromacy



Original Color

12.1782, 12.9371, 13.1645

Protanomaly

12.1943, 12.8022, 13.1376

Deuteranomaly

12.6357, 12.7430, 13.3489

Tritanomaly

12.4848, 12.9184, 14.6674

Monochromacy



Original Color

12.1782, 12.9371, 13.1645

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3208, 12.9942, 13.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1782, 12.9371, 13.1645 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(101, 101, 97)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 97)  
}
```

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(101, 101, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 97) }
```

Border

The CSS property to change the border of an element to XYZ 12.1782, 12.9371, 13.1645 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(101, 101, 97) }
```


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

```
.border{ border-color:rgb(101, 101, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 101, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 97);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1782, 12.9371, 13.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 101, 97) }
```

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

```
.background{ background-color: rgb(101,  
101, 97) }
```

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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