

Converting Colors

XYZ(13.0760, 12.8614, 12.1495)

Have a look what the booklet for
XYZ(13.0760, 12.8614, 12.1495)
contains.

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Color

**XYZ(13.0605, 12.8504,
12.1479)**

Conversions

Conversions Part 1

Format	Color
Hex	71615D
RGB	113, 97, 93
RGB Percent	44%, 38%, 36%
CMY	0.5569, 0.6196, 0.6353
CMYK	0.00, 0.14, 0.18, 0.56
HSL	12°, 10%, 40%
HSV	12°, 18%, 44%
XYZ	13.0605, 12.8504, 12.1479
YIQ	101.3280, 10.8200, 2.1480

Conversions

Conversions Part 2

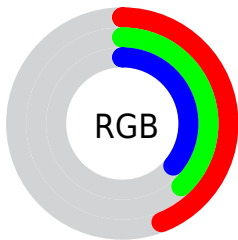
Format	Color
R _Y B	113, 98, 93
Decimal	7430493
CIE Lab	42.54, 5.70, 4.64
CIE LCh	43, 7.352, 39.173
Yxy	12.8504, 0.3432, 0.3376
Android (android.graphics.Color)	4285620573 (0xFF71615D)
YUV	101.3280, -4.1057, 10.2363
Hunter-Lab	35.8475, 2.3008, 5.0012

Details

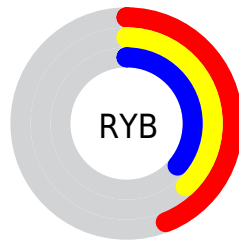
The XYZ color **13.0605, 12.8504, 12.1479** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9633, 14.4563, 17.7299**, and the grayscale version is **12.4631, 13.1121, 14.2791**.

A 20% lighter version of the original color is **31.0649, 31.1623, 30.3642**, and **3.8769, 3.6967, 3.1985** is the 20% darker color. If you saturate the color by 10%, you get **11.8085, 11.0890, 9.4410**, and if you desaturate by 10%, it is **14.4824, 14.8330, 15.2766**.

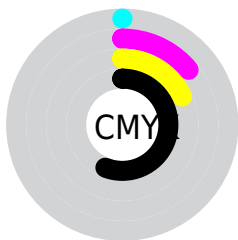
Distribution



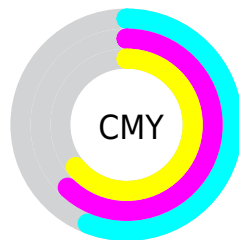
- Red (44%)
- Green (38%)
- Blue (36%)



- Red (44%)
- Yellow (38%)
- Blue (36%)



- Cyan (0%)
- Magenta (14%)
- Yellow (18%)
- Black (56%)



- Cyan (56%)
- Magenta (62%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0605, 12.8504, 12.1479 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 13.0605, 12.8504, 12.1479 by changing the saturation by 10% instead.

■ 13.0605, 12.8504,
12.1479

■ 13.0605, 12.8504,
12.1479

204.9348,
209.9567, 216.3945

■ 7.5475, 7.3256,
6.7207

■ 31.0128, 31.0348,
30.4326

■ 3.8562, 3.6666,
3.2123

■ 44.1829, 44.4631,
44.1272

■ 1.6211, 1.4888,
1.2040

■ 60.6360, 61.2948,
61.4147

■ 0.4061, 0.2809,
0.0000

■ 80.7375, 81.9142,
82.7137

■ 0.0000, 0.0000,
0.0000

104.8528,
106.7057, 108.4426

133.3472,

136.0536, 139.0200

166.5861,
170.3425, 174.8645

■ 13.0605, 12.8504,
12.1479

■ 13.0605, 12.8504,
12.1479

■ 11.8085, 11.0890,
9.4410

■ 14.4824, 14.8330,
15.2766

■ 10.7189, 9.5392,
7.1372

■ 16.0792, 17.0422,
18.8435

■ 9.7852, 8.1937,
5.2172

■ 17.8569, 19.4856,
22.8647

■ 9.0001, 7.0438,
3.6600

■ 19.8212, 22.1697,
27.3555

■ 8.3557, 6.0802,
2.4426

■ 21.9772, 25.1011,
32.3305

■ 7.8433, 5.2929,
1.5393

■ 24.3300, 28.2858,
37.8035

■ 7.4531, 4.6710,
0.9207

■ 26.8844, 31.7297,
43.7880

■ 7.1654, 4.1987,
0.5074

■ 29.6452, 35.4386,
50.2966

■ 7.1089, 4.1083,
0.4183

■ 32.6169, 39.4179,
57.3419

Harmonies

Analogous

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



13.2986, 12.8504, 13.5101



13.0605, 12.8504, 12.1479



12.5975, 12.8504, 11.3240

Triad

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



13.0605, 12.8504, 12.1479



11.2429, 12.8504, 12.9326



12.3849, 12.8504, 17.2330

Complementary

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



13.0605, 12.8504, 12.1479



12.9633, 14.4563, 17.7299

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.



11.8382, 12.8504, 17.0490



13.0605, 12.8504, 12.1479



11.1899, 12.8504, 14.4850

Square

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



13.0605, 12.8504, 12.1479



11.5518, 12.8504, 11.7527



11.4047, 12.8504, 16.0137



12.9008, 12.8504, 16.4989

Rectangle

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



13.0605, 12.8504, 12.1479



12.2293, 12.8504, 11.1517



11.4047, 12.8504, 16.0137



12.1985, 12.8504, 17.2776

Sweetspot

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



13.0609, 12.8510, 12.1482



26.6364, 27.5365, 28.9178



13.4848, 12.4437, 16.1592



6.1257, 6.3206, 6.6112



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



13.0609, 12.8510, 12.1482



22.4862, 21.7471, 19.7931



14.0436, 14.8165, 12.4758



3.4336, 3.4997, 3.5679



8.0513, 4.6350, 0.4703



39.6007, 22.0765, 2.1740

Inverse Universe

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



12.9633, 14.4563, 17.7299



22.2783, 25.1581, 31.6573



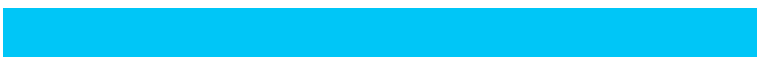
11.9568, 12.4432, 17.3944



3.4211, 3.7074, 4.2895



7.5517, 9.6937, 19.1947



37.0024, 47.0567, 95.4118

Previews

White Background



This preview shows how the XYZ color 13.0605, 12.8504, 12.1479 looks on a white background.

Color Contrast Check

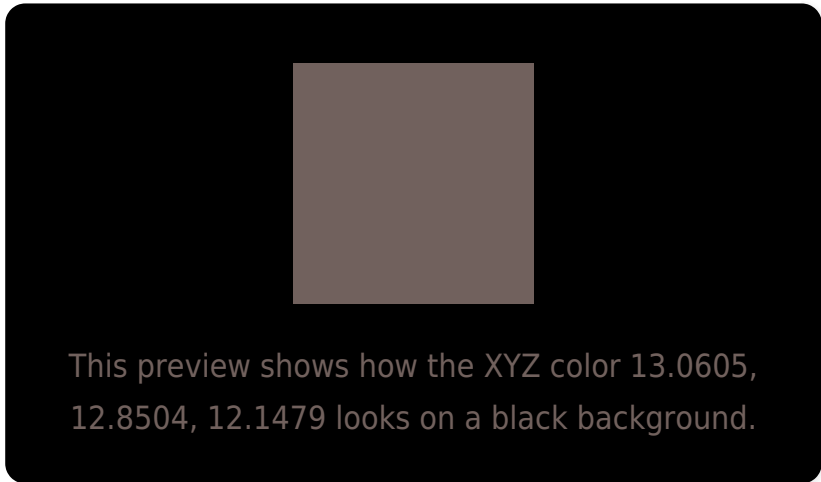
Large Text (above 18pt) WCAG AA ✓ Pass

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

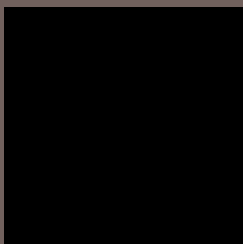
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

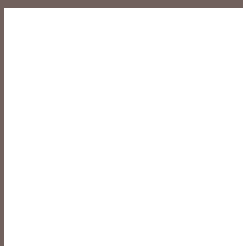
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0605, 12.8504, 12.1479

Background



This preview shows how black text looks on a background with the XYZ color 13.0605, 12.8504, 12.1479.



This preview shows how white text looks on a background with the XYZ color 13.0605, 12.8504,

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

13.0605, 12.8504, 12.1479

Protanopia

12.3316, 12.8836, 12.6633

Deuteranopia

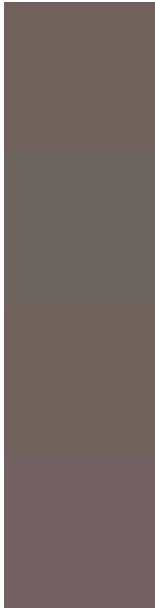
13.0605, 12.8504, 12.1479



Tritanopia

13.4798, 12.7411, 14.5808

Trichromacy



Original Color

13.0605, 12.8504, 12.1479

Protanomaly

12.5456, 12.8576, 12.4102

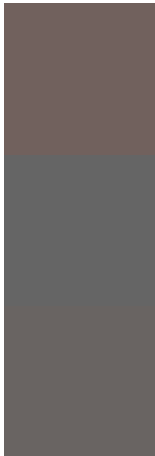
Deuteranomaly

13.0605, 12.8504, 12.1479

Tritanomaly

13.3744, 12.8440, 13.5786

Monochromacy



Original Color

13.0605, 12.8504, 12.1479

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.5875, 12.9994, 13.4010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0605, 12.8504, 12.1479 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(113, 97, 93) looks like.

```
.text, #text, p{  
    color:rgb(113, 97, 93)  
}
```

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(113, 97, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 97, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.0605, 12.8504, 12.1479 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(113, 97, 93) }
```


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

```
.border{ border-color:rgb(113, 97, 93) }
```

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

Here you see how a box with a 4 pixel rgb(113, 97, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 97, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 97, 93);  
box-shadow:4px 4px 4px 4px rgb(113, 97,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0605, 12.8504, 12.1479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 97, 93) }
```

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

```
.background{ background-color: rgb(113, 97,  
93) }
```

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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