

Converting Colors

XYZ(12.7424, 13.3551, 14.0320)

Have a look what the booklet for
XYZ(12.7424, 13.3551, 14.0320)
contains.

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Color

**XYZ(12.7605, 13.3659,
13.9639)**

Conversions

Conversions Part 1

Format	Color
Hex	686664
RGB	104, 102, 100
RGB Percent	41%, 40%, 39%
CMY	0.5922, 0.6000, 0.6078
CMYK	0.00, 0.02, 0.04, 0.59
HSL	30°, 2%, 40%
HSV	30°, 4%, 41%
XYZ	12.7605, 13.3659, 13.9639
YIQ	102.3700, 1.8340, -0.1980

Conversions

Conversions Part 2

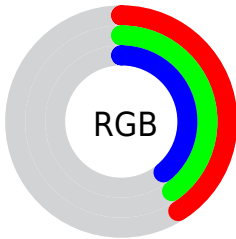
Format	Color
R_{YB}	104, 104, 100
Decimal	6841956
CIE Lab	43.31, 0.38, 1.40
CIE LCh	43, 1.450, 74.838
Yxy	13.3659, 0.3183, 0.3334
Android (android.graphics.Color)	4285032036 (0xFF686664)
YUV	102.3700, -1.1684, 1.4295
Hunter-Lab	36.5594, -1.6763, 2.9457

Details

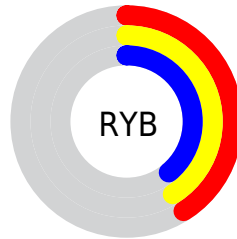
The XYZ color **12.7605, 13.3659, 13.9639** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5055, 13.2112, 14.9877**, and the grayscale version is **12.7291, 13.3920, 14.5839**.

A 20% lighter version of the original color is **30.4947, 31.9854, 33.8447**, and **3.6961, 3.8593, 3.9183** is the 20% darker color. If you saturate the color by 10%, you get **11.7945, 12.1886, 11.3150**, and if you desaturate by 10%, it is **13.8235, 14.6341, 16.9626**.

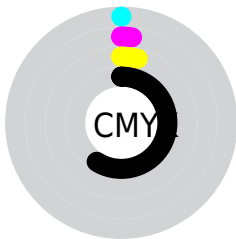
Distribution



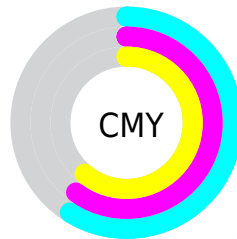
- Red (41%)
- Green (40%)
- Blue (39%)



- Red (41%)
- Yellow (41%)
- Blue (39%)



- Cyan (0%)
- Magenta (2%)
- Yellow (4%)
- Black (59%)



- Cyan (59%)
- Magenta (60%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7605, 13.3659, 13.9639 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 12.7605, 13.3659, 13.9639 by changing the saturation by 10% instead.

■ 12.7605, 13.3659,
13.9639

■ 12.7605, 13.3659,
13.9639

203.0458,
213.2495, 228.4268

■ 7.3397, 7.6810,
7.9571

■ 30.4778, 31.9596,
33.7412

■ 3.7236, 3.8915,
3.9801

■ 43.5051, 45.6372,
48.3487

■ 1.5470, 1.6131,
1.6144

■ 59.7985, 62.7477,
66.6602

■ 0.3575, 0.3664,
0.3011

■ 79.7234, 83.6757,
89.0943

■ 0.0000, 0.0000,
0.0000

103.6453,
108.8055, 116.0695

131.9294,

138.5215, 148.0042

164.9411,
173.2080, 185.3171

■ 12.7605, 13.3659,
13.9639

■ 12.7605, 13.3659,
13.9639

■ 11.7945, 12.1886,
11.3150

■ 13.8235, 14.6341,
16.9626

■ 10.9214, 11.0983,
9.0021

■ 14.9853, 15.9934,
20.3224

■ 10.1385, 10.0933,
7.0117

■ 16.2489, 17.4464,
24.0552

■ 9.4423, 9.1714,
5.3292

■ 17.6170, 18.9950,
28.1722

■ 8.8292, 8.3300,
3.9389

■ 19.0920, 20.6411,
32.6840

■ 8.2954, 7.5666,
2.8234

■ 20.6765, 22.3865,
37.6008

■ 7.8367, 6.8783,
1.9637

■ 22.3727, 24.2328,
42.9324

■ 7.4482, 6.2622,
1.3383

■ 24.1829, 26.1818,
48.6885

■ 7.1225, 5.7141,
0.9113

■ 26.1093, 28.2352,
54.8781

Harmonies

Analogous

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



12.8578, 13.3659, 14.1211



12.7605, 13.3659, 13.9639



12.6486, 13.3659, 13.9630

Triad

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



12.7605, 13.3659, 13.9639



12.4961, 13.3659, 14.7123



12.8569, 13.3659, 14.9965

Complementary

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



12.7605, 13.3659, 13.9639



12.5055, 13.2112, 14.9877

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.



12.7593, 13.3659, 15.1598



12.7605, 13.3659, 13.9639



12.5512, 13.3659, 14.9940

Square

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



12.7605, 13.3659, 13.9639



12.4964, 13.3659, 14.3919



12.6474, 13.3659, 15.1588



12.9136, 13.3659, 14.7157

Rectangle

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



12.7605, 13.3659, 13.9639



12.5808, 13.3659, 14.0510



12.6474, 13.3659, 15.1588



12.8278, 13.3659, 15.0672

Sweetspot

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



12.7609, 13.3665, 13.9642



22.8958, 24.0608, 25.9181



12.6645, 13.0169, 14.4155



5.5898, 5.8748, 6.3341



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.7609, 13.3665, 13.9642



22.1588, 23.1739, 23.8629



12.9596, 13.7638, 14.0304



3.0157, 3.1530, 3.2395



8.5225, 6.5982, 0.8244



43.5739, 32.6617, 4.0077

Inverse Universe

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



12.5055, 13.2112, 14.9877



21.5647, 22.8127, 26.2438



12.3115, 12.8233, 14.9230



2.9316, 3.1019, 3.5762



4.5585, 4.1887, 16.7126



22.8997, 20.0960, 86.8734

Previews

White Background



This preview shows how the XYZ color 12.7605, 13.3659, 13.9639 looks on a white background.

Color Contrast Check

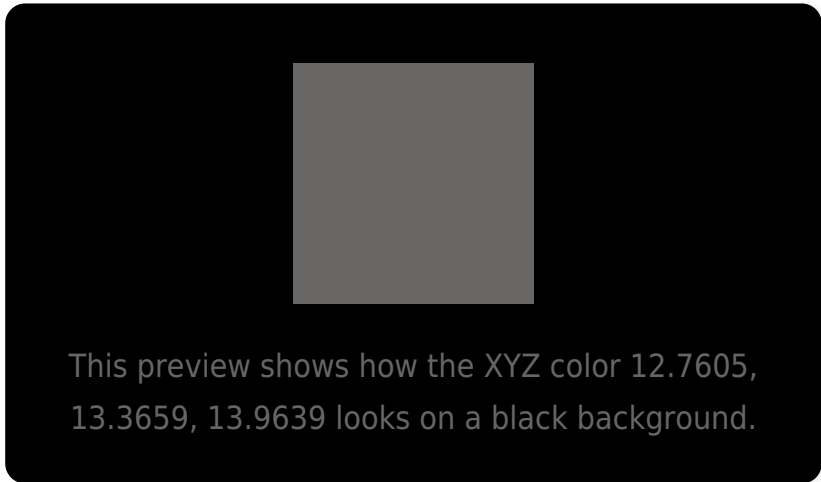
Large Text (above 18pt) WCAG AA ✓ Pass

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

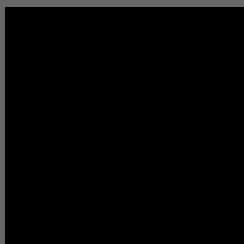
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

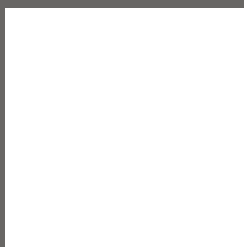
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7605, 13.3659, 13.9639

Background



This preview shows how black text looks on a background with the XYZ color 12.7605, 13.3659, 13.9639.



This preview shows how white text looks on a background with the XYZ color 12.7605, 13.3659,

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

12.7605, 13.3659, 13.9639

Protanopia

12.8773, 13.4261, 13.9694

Deuteranopia

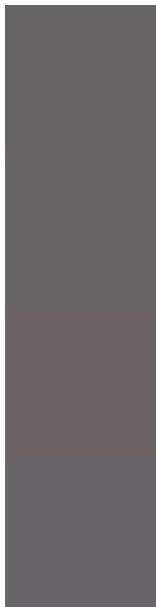
13.6209, 13.3740, 14.1755



Tritanopia

13.2397, 13.4147, 16.3595

Trichromacy



Original Color

12.7605, 13.3659, 13.9639

Protanomaly

12.8773, 13.4261, 13.9694

Deuteranomaly

13.3365, 13.3689, 14.1895

Tritanomaly

13.0809, 13.3512, 15.5233

Monochromacy



Original Color

12.7605, 13.3659, 13.9639

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6939, 13.3259, 14.2150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7605, 13.3659, 13.9639 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(104, 102, 100)` looks like.

```
.text, #text, p{  
    color:rgb(104, 102, 100)  
}
```

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(104, 102, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 102, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.7605, 13.3659, 13.9639 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(104, 102, 100) }
```


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

```
.border{ border-color:rgb(104, 102, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 102, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 102, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 102, 100);  
box-shadow:4px 4px 4px 4px rgb(104, 102,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7605, 13.3659, 13.9639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 102, 100) }
```

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

```
.background{ background-color: rgb(104,  
102, 100) }
```

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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