

Converting Colors

XYZ(12.7727, 13.0436, 14.9514)

Have a look what the booklet for
XYZ(12.7727, 13.0436, 14.9514)
contains.

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Color

**XYZ(12.7648, 13.0569,
14.9442)**

Conversions

Conversions Part 1

Format	Color
Hex	686468
RGB	104, 100, 104
RGB Percent	41%, 39%, 41%
CMY	0.5922, 0.6078, 0.5922
CMYK	0.00, 0.04, 0.00, 0.59
HSL	300°, 2%, 40%
HSV	300°, 4%, 41%
XYZ	12.7648, 13.0569, 14.9442
YIQ	101.6520, 1.1000, 2.0920

Conversions

Conversions Part 2

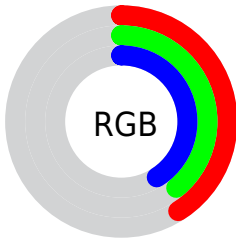
Format	Color
R_{YB}	104, 100, 104
Decimal	6841448
CIE Lab	42.85, 2.39, -1.70
CIE LCh	43, 2.937, 324.584
Yxy	13.0569, 0.3131, 0.3203
Android (android.graphics.Color)	4285031528 (0xFF686468)
YUV	101.6520, 1.1576, 2.0592
Hunter-Lab	36.1343, -0.1782, 0.7733

Details

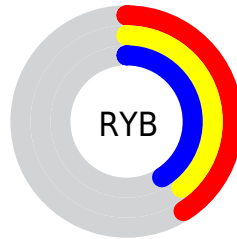
The XYZ color **12.7648, 13.0569, 14.9442** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5066, 13.5305, 14.0098**, and the grayscale version is **12.5358, 13.1886, 14.3624**.

A 20% lighter version of the original color is **30.5006, 31.4683, 35.4768**, and **3.6990, 3.7115, 4.3923** is the 20% darker color. If you saturate the color by 10%, you get **11.8304, 11.1880, 14.6329**, and if you desaturate by 10%, it is **13.8273, 15.1816, 15.2985**.

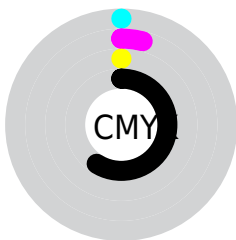
Distribution



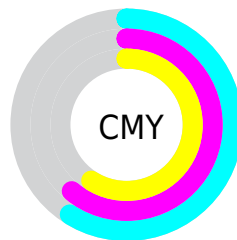
- Red (41%)
- Green (39%)
- Blue (41%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7648, 13.0569, 14.9442 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 12.7648, 13.0569, 14.9442 by changing the saturation by 10% instead.

■ 12.7648, 13.0569,
14.9442

■ 12.7648, 13.0569,
14.9442

203.0730,
211.2820, 234.6574

■ 7.3427, 7.4677,
8.6340

■ 30.4855, 31.4060,
35.4962

■ 3.7255, 3.7563,
4.4097

■ 43.5148, 44.9347,
50.5751

■ 1.5481, 1.5382,
1.8527

■ 59.8105, 61.8787,
69.4140

■ 0.3582, 0.3154,
0.4624

■ 79.7380, 82.6224,
92.4314

■ 0.0000, 0.0000,
0.0000

103.6627,
107.5502, 120.0459

131.9498,

137.0464, 152.6761

164.9648,
171.4956, 190.7404

■ 12.7648, 13.0569,
14.9442

■ 12.7648, 13.0569,
14.9442

■ 11.8304, 11.1880,
14.6329

■ 13.8273, 15.1816,
15.2985

■ 11.0183, 9.5638,
14.3622

■ 15.0213, 17.5695,
15.6965

■ 10.3236, 8.1745,
14.1307

■ 16.3515, 20.2299,
16.1399

■ 9.7410, 7.0093,
13.9365

■ 17.8220, 23.1708,
16.6300

■ 9.2645, 6.0566,
13.7777

■ 19.4367, 26.4002,
17.1683

■ 8.8879, 5.3034,
13.6521

■ 21.1995, 29.9257,
17.7558

■ 8.6040, 4.7356,
13.5575

■ 23.1140, 33.7545,
18.3940

■ 8.4047, 4.3372,
13.4911

■ 25.1836, 37.8938,
19.0839

■ 8.2768, 4.0813,
13.4485

■ 27.4118, 42.3501,
19.8266

Harmonies

Analogous

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



12.5904, 13.0569, 15.3691



12.7648, 13.0569, 14.9442



12.8443, 13.0569, 14.3336

Triad

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



12.7648, 13.0569, 14.9442



12.4509, 13.0569, 13.0229



12.0223, 13.0569, 14.7365

Complementary

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



12.7648, 13.0569, 14.9442



12.5066, 13.5305, 14.0098

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.



11.9860, 13.0569, 14.1005



12.7648, 13.0569, 14.9442



12.2317, 13.0569, 13.1235

Square

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



12.7648, 13.0569, 14.9442



12.6617, 13.0569, 13.2342



12.0622, 13.0569, 13.5133



12.1621, 13.0569, 15.2467

Rectangle

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



12.7648, 13.0569, 14.9442



12.8320, 13.0569, 13.9082



12.0622, 13.0569, 13.5133



11.9977, 13.0569, 14.5299

Sweetspot

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



12.7652, 13.0575, 14.9445



22.8968, 23.9114, 26.3856



12.3184, 12.8366, 14.9254



5.5900, 5.8413, 6.4387



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.



12.7652, 13.0575, 14.9445



22.1700, 22.4578, 26.1434



12.6681, 13.0186, 14.4333



3.0173, 3.0518, 3.5620



10.1169, 4.8597, 16.5491



52.7651, 25.3456, 86.3126

Inverse Universe

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



12.5668, 12.9781, 13.9000



21.7085, 22.2732, 23.7129



12.6013, 13.5683, 14.5083



2.9520, 3.0257, 3.2183



7.0374, 3.6279, 0.3295



36.7039, 18.9215, 1.7180

Previews

White Background



This preview shows how the XYZ color 12.7648, 13.0569, 14.9442 looks on a white background.

Color Contrast Check

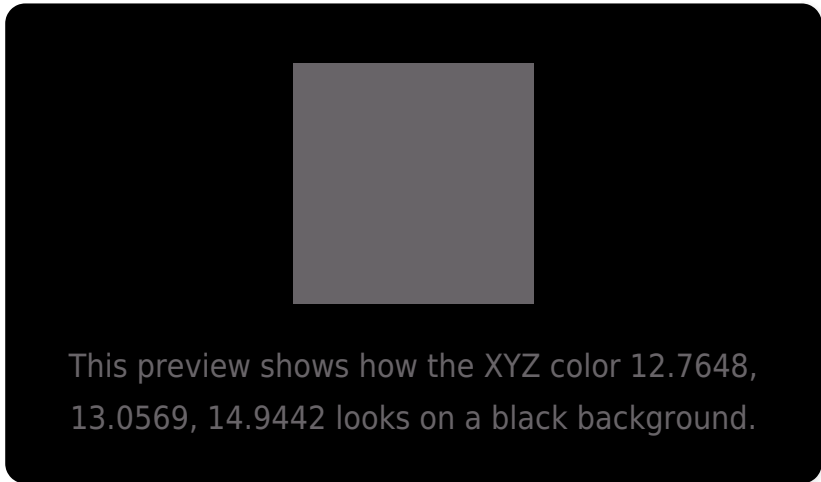
Large Text (above 18pt) WCAG AA ✓ Pass

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

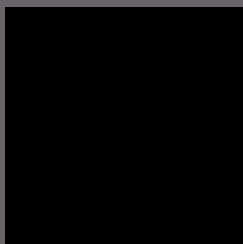
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7648, 13.0569, 14.9442

Background



This preview shows how black text looks on a background with the XYZ color 12.7648, 13.0569, 14.9442.



This preview shows how white text looks on a background with the XYZ color 12.7648, 13.0569,

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

12.7648, 13.0569, 14.9442

Protanopia

12.6319, 13.1316, 14.9656

Deuteranopia

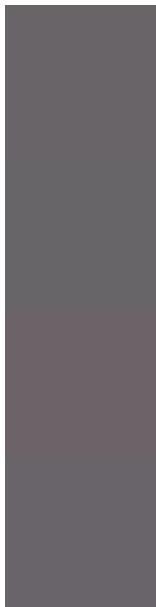
13.1730, 12.9861, 14.9090



Tritanopia

12.9414, 12.9885, 15.7349

Trichromacy



Original Color

12.7648, 13.0569, 14.9442

Protanomaly

12.7459, 13.1904, 14.9709

Deuteranomaly

13.0239, 13.0490, 14.9290

Tritanomaly

12.8891, 12.9675, 15.4593

Monochromacy



Original Color

12.7648, 13.0569, 14.9442

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.6954, 13.1702, 14.7049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7648, 13.0569, 14.9442 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, 100, 104)` looks like.

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

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, 100, 104) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 12.7648, 13.0569, 14.9442 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, 100, 104) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 12.7648, 13.0569, 14.9442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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