

Converting Colors

XYZ(12.4468, 13.0808, 14.3704)

Have a look what the booklet for
XYZ(12.4468, 13.0808, 14.3704)
contains.

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Color

**XYZ(12.4188, 13.0334,
14.4315)**

Conversions

Conversions Part 1

Format	Color
Hex	656566
RGB	101, 101, 102
RGB Percent	40%, 40%, 40%
CMY	0.6039, 0.6039, 0.6000
CMYK	0.01, 0.01, 0.00, 0.60
HSL	240°, 0%, 40%
HSV	240°, 1%, 40%
XYZ	12.4188, 13.0334, 14.4315
YIQ	101.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

Format	Color
R_{YB}	101, 101, 102
Decimal	6645094
CIE Lab	42.81, 0.21, -0.57
CIE LCh	43, 0.607, 290.330
Yxy	13.0334, 0.3114, 0.3268
Android (android.graphics.Color)	4284835174 (0xFF656566)
YUV	101.1140, 0.4368, -0.1000
Hunter-Lab	36.1018, -1.7752, 1.5704

Details

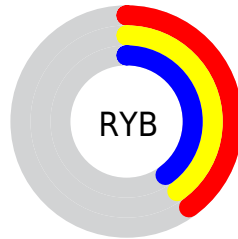
The XYZ color **12.4188, 13.0334, 14.4315** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5798, 13.2669, 14.2099**, and the grayscale version is **12.3984, 13.0441, 14.2050**.

A 20% lighter version of the original color is **29.9269, 31.4318, 34.6266**, and **3.5301, 3.6984, 4.1422** is the 20% darker color. If you saturate the color by 10%, you get **10.4189, 10.6251, 14.0722**, and if you desaturate by 10%, it is **14.6837, 15.7609, 14.8388**.

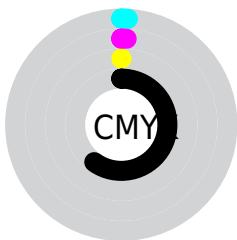
Distribution



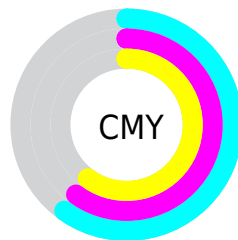
- Red (40%)
- Green (40%)
- Blue (40%)



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



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4188, 13.0334, 14.4315 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 12.4188, 13.0334, 14.4315 by changing the saturation by 10% instead.

■ 12.4188, 13.0334,
14.4315

■ 12.4188, 13.0334,
14.4315

200.8723,
211.1316, 231.4200

■ 7.1038, 7.4516,
8.2792

■ 29.8659, 31.3638,
34.5808

■ 3.5740, 3.7461,
4.1838

■ 42.7287, 44.8811,
49.4149

■ 1.4641, 1.5326,
1.7267

■ 58.8381, 61.8123,
67.9800

■ 0.3012, 0.3115,
0.3789

■ 78.5595, 82.5419,
90.6947

■ 0.0000, 0.0000,
0.0000

102.2583,
107.4543, 117.9775

130.2998,

136.9337, 150.2470

163.0493,
171.3647, 187.9216

■ 12.4188, 13.0334,
14.4315

■ 12.4188, 13.0334,
14.4315

■ 10.4189, 10.6251,
14.0722

■ 14.6837, 15.7609,
14.8388

■ 8.6733, 8.5227,
13.7584

■ 17.2215, 18.8168,
15.2949

■ 7.1721, 6.7144,
13.4885

■ 20.0415, 22.2123,
15.8016

■ 5.9044, 5.1873,
13.2606

■ 23.1519, 25.9572,
16.3606

■ 4.8585, 3.9270,
13.0725

■ 26.5606, 30.0613,
16.9731

■ 4.0216, 2.9184,
12.9219

■ 30.2754, 34.5336,
17.6405

■ 3.3798, 2.1446,
12.8064

■ 34.3036, 39.3831,
18.3643

■ 2.9171, 1.5866,
12.7230

■ 38.6524, 44.6184,
19.1456

■ 2.6152, 1.2222,
12.6686

■ 43.3286, 50.2478,
19.9857

Harmonies

Analogous

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



12.3729, 13.0334, 14.4439



12.4188, 13.0334, 14.4315



12.4565, 13.0334, 14.3545

Triad

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



12.4188, 13.0334, 14.4315



12.4448, 13.0334, 13.9959



12.3003, 13.0334, 14.1484

Complementary

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



12.4188, 13.0334, 14.4315



12.5798, 13.2669, 14.2099

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.



12.3195, 13.0334, 14.0291



12.4188, 13.0334, 14.4315



12.4028, 13.0334, 13.9414

Square

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



12.4188, 13.0334, 14.4315



12.4715, 13.0334, 14.1028



12.3570, 13.0334, 13.9535



12.3046, 13.0334, 14.2799

Rectangle

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



12.4188, 13.0334, 14.4315



12.4718, 13.0334, 14.2771



12.3570, 13.0334, 13.9535



12.3042, 13.0334, 14.1055

Sweetspot

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



12.4192, 13.0340, 14.4318



22.1487, 23.3022, 25.3761



12.5158, 13.2286, 14.4599



5.2251, 5.4972, 5.9864



51.1593, 53.8236, 58.6138

Same Dimension

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



12.4192, 13.0340, 14.4318



21.7621, 22.8366, 25.3066



12.4733, 13.0616, 14.4343



3.0989, 3.2531, 3.5965



3.0825, 1.2367, 16.2206



16.0695, 6.4357, 84.5967

Inverse Universe

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



12.4824, 13.0720, 14.1779



21.8785, 22.9066, 24.8394



12.5254, 13.2391, 14.2074



3.1133, 3.2617, 3.5389



7.0386, 3.6284, 0.3355



36.7063, 18.9225, 1.7308

Previews

White Background



This preview shows how the XYZ color 12.4188, 13.0334, 14.4315 looks on a white background.

Color Contrast Check

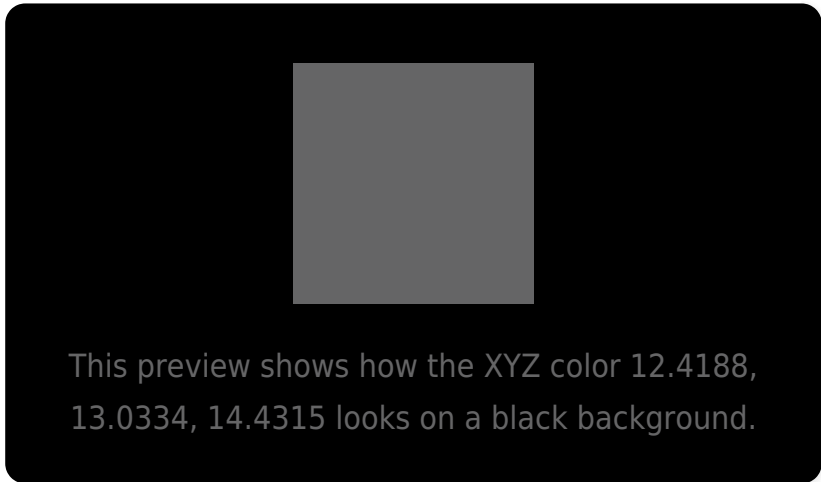
Large Text (above 18pt) WCAG AA ✓ Pass

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

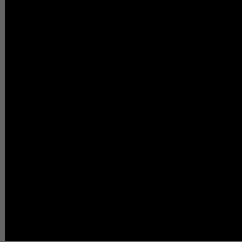
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4188, 13.0334, 14.4315

Background



This preview shows how black text looks on a background with the XYZ color 12.4188, 13.0334, 14.4315.

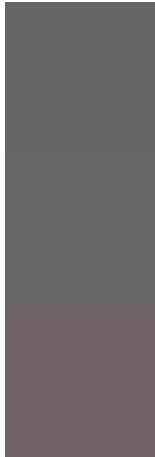


This preview shows how white text looks on a background with the XYZ color 12.4188, 13.0334,

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

12.4188, 13.0334, 14.4315

Protanopia

12.6455, 13.1502, 14.4421

Deuteranopia

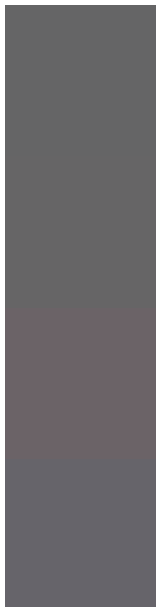
13.2463, 13.0296, 14.6488



Tritanopia

12.7434, 13.0218, 16.0292

Trichromacy



Original Color

12.4188, 13.0334, 14.4315

Protanomaly

12.5314, 13.0915, 14.4368

Deuteranomaly

12.9734, 13.0288, 14.6630

Tritanomaly

12.6382, 12.9797, 15.4749

Monochromacy



Original Color

12.4188, 13.0334, 14.4315

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.3695, 13.0136, 14.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4188, 13.0334, 14.4315 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(101, 101, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 101, 102) }
```

Border

The CSS property to change the border of an element to XYZ 12.4188, 13.0334, 14.4315 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, 102) }
```

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

```
.border{ border-color:rgb(101, 101, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 101, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 101, 102);  
box-shadow:4px 4px 4px 4px rgb(101, 101,  
102) }
```


Background

The CSS property to change the background color of an element to XYZ 12.4188, 13.0334, 14.4315 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, 102) }
```

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

```
.background{ background-color: rgb(101,  
101, 102) }
```

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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