

Converting Colors

XYZ(12.5293, 13.4811, 14.0985)

Have a look what the booklet for
XYZ(12.5293, 13.4811, 14.0985)
contains.

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Color

**XYZ(12.5061, 13.5301,
14.0090)**

Conversions

Conversions Part 1

Format	Color
Hex	646864
RGB	100, 104, 100
RGB Percent	39%, 41%, 39%
CMY	0.6078, 0.5921, 0.6078
CMYK	0.04, 0.00, 0.04, 0.59
HSL	120°, 2%, 40%
HSV	120°, 4%, 41%
XYZ	12.5061, 13.5301, 14.0090
YIQ	102.3480, -1.1000, -2.0920

Conversions

Conversions Part 2

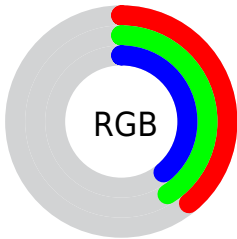
Format	Color
R_{YB}	100, 104, 104
Decimal	6580324
CIE Lab	43.55, -2.38, 1.71
CIE LCh	44, 2.926, 144.295
Yxy	13.5301, 0.3123, 0.3379
Android (android.graphics.Color)	4284770404 (0xFF646864)
YUV	102.3480, -1.1576, -2.0592
Hunter-Lab	36.7833, -3.6818, 3.1676

Details

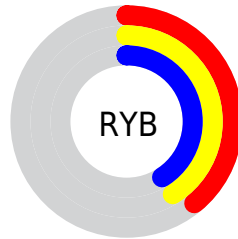
The XYZ color **12.5061, 13.5301, 14.0090** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7653, 13.0572, 14.9449**, and the grayscale version is **12.7239, 13.3865, 14.5779**.

A 20% lighter version of the original color is **30.0698, 32.2564, 33.9194**, and **3.5739, 3.9402, 3.9403** is the 20% darker color. If you saturate the color by 10%, you get **10.9568, 12.7863, 11.4746**, and if you desaturate by 10%, it is **14.2673, 14.3765, 16.8894**.

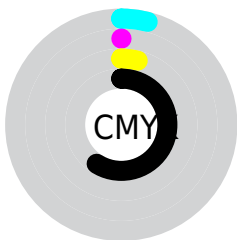
Distribution



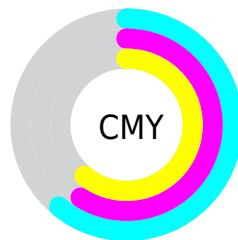
- Red (39%)
- Green (41%)
- Blue (39%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5061, 13.5301, 14.0090 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 12.5061, 13.5301, 14.0090 by changing the saturation by 10% instead.

■ 12.5061, 13.5301,
14.0090

■ 12.5061, 13.5301,
14.0090

201.4298,
214.2876, 228.7172

■ 7.1640, 7.7946,
7.9881

■ 30.0225, 32.2529,
33.8224

■ 3.6121, 3.9638,
3.9997

■ 42.9275, 46.0090,
48.4519

■ 1.4851, 1.6533,
1.6252

■ 59.0841, 63.2073,
66.7881

■ 0.3157, 0.3932,
0.3087

■ 78.8578, 84.2324,
89.2494

■ 0.0000, 0.0000,
0.0000

102.6139,
109.4686, 116.2544

130.7176,

139.3003, 148.2217

163.5345,
174.1118, 185.5698

■ 12.5061, 13.5301,
14.0090

■ 12.5061, 13.5301,
14.0090

■ 10.9568, 12.7863,
11.4746

■ 14.2673, 14.3765,
16.8894

■ 9.6103, 12.1395,
9.2722

■ 16.2469, 15.3274,
20.1272

■ 8.4587, 11.5863,
7.3885

■ 18.4522, 16.3867,
23.7343

■ 7.4928, 11.1224,
5.8087

■ 20.8902, 17.5578,
27.7219

■ 6.7030, 10.7430,
4.5168

■ 23.5673, 18.8438,
32.1007

■ 6.0787, 10.4431,
3.4956

■ 26.4899, 20.2477,
36.8809

■ 5.6080, 10.2170,
2.7257

■ 29.6640, 21.7723,
42.0724

■ 5.2778, 10.0584,
2.1855

■ 33.0953, 23.4206,
47.6847

■ 5.0658, 9.9565,
1.8387

■ 36.7896, 25.1951,
53.7271

Harmonies

Analogous

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



12.6798, 13.5301, 13.6135



12.5061, 13.5301, 14.0090



12.4273, 13.5301, 14.6071

Triad

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



12.5061, 13.5301, 14.0090



12.8163, 13.5301, 16.0212



13.2650, 13.5301, 14.2198

Complementary

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



12.5061, 13.5301, 14.0090



12.7653, 13.0572, 14.9449

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.



13.3026, 13.5301, 14.8576



12.5061, 13.5301, 14.0090



13.0418, 13.5301, 15.9101

Square

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



12.5061, 13.5301, 14.0090



12.6050, 13.5301, 15.7787



13.2204, 13.5301, 15.4794



13.1184, 13.5301, 13.7326

Rectangle

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



12.5061, 13.5301, 14.0090



12.4384, 13.5301, 15.0452



13.2204, 13.5301, 15.4794



13.2909, 13.5301, 14.4232

Sweetspot

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



12.5065, 13.5307, 14.0093



22.7734, 24.1372, 25.9393



12.9601, 13.7646, 14.0305



5.5624, 5.8919, 6.3388



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.



12.5065, 13.5307, 14.0093



21.5684, 23.5584, 23.9684



12.6046, 13.5699, 14.5257



2.9322, 3.2075, 3.2544



6.1023, 12.2045, 2.0342



31.8267, 63.6532, 10.6092

Inverse Universe

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



12.7653, 13.0572, 14.9449



22.1700, 22.4578, 26.1433



12.6648, 13.0170, 14.4158



3.0173, 3.0518, 3.5620



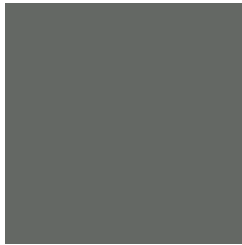
10.1172, 4.8598, 16.5475



52.7667, 25.3467, 86.3035

Previews

White Background



This preview shows how the XYZ color 12.5061, 13.5301, 14.0090 looks on a white background.

Color Contrast Check

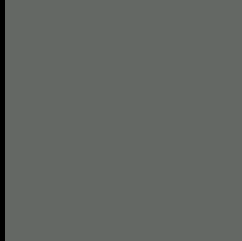
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 12.5061, 13.5301, 14.0090 looks on a 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

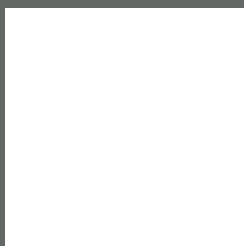
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5061, 13.5301, 14.0090

Background



This preview shows how black text looks on a background with the XYZ color 12.5061, 13.5301, 14.0090.



This preview shows how white text looks on a background with the XYZ color 12.5061, 13.5301,

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

12.5061, 13.5301, 14.0090

Protanopia

12.8292, 13.4069, 13.7160

Deuteranopia

13.6209, 13.3740, 14.1755



Tritanopia

13.1001, 13.4752, 16.9495

Trichromacy

**Original Color**

12.5061, 13.5301, 14.0090

Protanomaly

12.6959, 13.4849, 13.7381

Deuteranomaly

13.1870, 13.4351, 14.2101

Tritanomaly

12.8709, 13.5287, 15.8429

Monochromacy

**Original Color**

12.5061, 13.5301, 14.0090

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5660, 13.4068, 14.2374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5061, 13.5301, 14.0090 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(100, 104, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 104, 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(100, 104, 100) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 12.5061, 13.5301, 14.0090 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(100, 104, 100) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 12.5061, 13.5301, 14.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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