

Converting Colors

XYZ(12.4840, 13.6220, 13.0826)

Have a look what the booklet for
XYZ(12.4840, 13.6220, 13.0826)
contains.

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Color

**XYZ(12.5297, 13.7144,
13.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	656960
RGB	101, 105, 96
RGB Percent	40%, 41%, 38%
CMY	0.6039, 0.5882, 0.6235
CMYK	0.04, 0.00, 0.09, 0.59
HSL	87°, 4%, 39%
HSV	87°, 9%, 41%
XYZ	12.5297, 13.7144, 13.0531
YIQ	102.7780, 0.5050, -3.6470

Conversions

Conversions Part 2

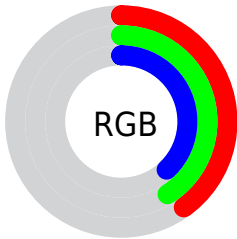
Format	Color
R_{YB}	96, 105, 100
Decimal	6646112
CIE _{Lab}	43.82, -3.38, 4.52
CIE _{LCh}	44, 5.644, 126.745
Yxy	13.7144, 0.3188, 0.3490
Android (android.graphics.Color)	4284836192 (0xFF656960)
YUV	102.7780, -3.3416, -1.5593
Hunter-Lab	37.0330, -4.4141, 5.0250

Details

The XYZ color **12.5297, 13.7144, 13.0531** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9888, 12.0954, 15.0681**, and the grayscale version is **12.8423, 13.5111, 14.7135**.

A 20% lighter version of the original color is **30.0257, 32.5277, 31.8901**, and **3.6101, 4.0407, 3.6073** is the 20% darker color. If you saturate the color by 10%, you get **11.5703, 13.2724, 10.6510**, and if you desaturate by 10%, it is **13.5841, 14.1987, 15.7974**.

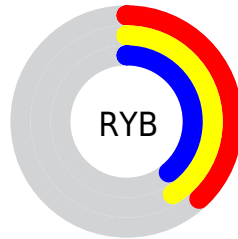
Distribution



Red (40%)

Green (41%)

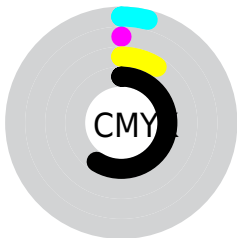
Blue (38%)



Red (38%)

Yellow (41%)

Blue (39%)

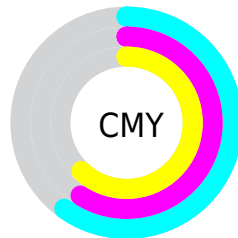


Cyan (4%)

Magenta (0%)

Yellow (9%)

Black (59%)



Cyan (60%)

Magenta (59%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5297, 13.7144, 13.0531 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 12.5297, 13.7144, 13.0531 by changing the saturation by 10% instead.

■ 12.5297, 13.7144,
13.0531

■ 12.5297, 13.7144,
13.0531

201.5803,
215.4468, 222.4775

■ 7.1803, 7.9223,
7.3340

■ 30.0648, 32.5814,
32.0917

■ 3.6224, 4.0453,
3.5902

■ 42.9812, 46.4251,
46.2483

■ 1.4908, 1.6989,
1.4033

■ 59.1506, 63.7215,
64.0544

■ 0.3196, 0.4230,
0.1443

■ 78.9383, 84.8548,
85.9287

■ 0.0000, 0.0000,
0.0000

102.7098,
110.2097, 112.2896

130.8304,

140.1704, 143.5556

163.6655,
175.1213, 180.1454

■ 12.5297, 13.7144,
13.0531

■ 12.5297, 13.7144,
13.0531

■ 11.5703, 13.2724,
10.6510

■ 13.5841, 14.1987,
15.7974

■ 10.7019, 12.8697,
8.5767

■ 14.7354, 14.7248,
18.8956

■ 9.9214, 12.5055,
6.8163

■ 15.9866, 15.2945,
22.3601

■ 9.2257, 12.1785,
5.3544

■ 17.3403, 15.9087,
26.2023

■ 8.6109, 11.8870,
4.1744

■ 18.7991, 16.5686,
30.4331

■ 8.0730, 11.6295,
3.2580

■ 20.3654, 17.2752,
35.0632

■ 7.6077, 11.4040,
2.5848

■ 22.0416, 18.0295,
40.1025

■ 7.2098, 11.2085,
2.1312

■ 23.8299, 18.8325,
45.5608

■ 6.8625, 11.0362,
1.8115

■ 25.7325, 19.6850,
51.4475

Harmonies

Analogous

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



12.9349, 13.7144, 12.6280



12.5297, 13.7144, 13.0531



12.2644, 13.7144, 13.9855

Triad

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



12.5297, 13.7144, 13.0531



12.7001, 13.7144, 17.3001



13.9038, 13.7144, 14.6466

Complementary

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



12.5297, 13.7144, 13.0531



11.9888, 12.0954, 15.0681

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.



13.8375, 13.7144, 15.9217



12.5297, 13.7144, 13.0531



13.1359, 13.7144, 17.5019

Square

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



12.5297, 13.7144, 13.0531



12.3612, 13.7144, 16.4478



13.5540, 13.7144, 16.9845



13.7332, 13.7144, 13.5135

Rectangle

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



12.5297, 13.7144, 13.0531



12.1990, 13.7144, 14.7939



13.5540, 13.7144, 16.9845



13.9086, 13.7144, 15.0723

Sweetspot

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



12.5301, 13.7150, 13.0534



23.4497, 25.0230, 25.9910



12.4852, 12.9435, 12.9068



5.4630, 5.8478, 6.0099



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.



12.5301, 13.7150, 13.0534



22.1289, 24.4160, 22.5920



12.0506, 13.4678, 13.0310



3.2096, 3.5199, 3.3277



8.5858, 13.9213, 2.2346



42.7372, 70.4140, 11.3388

Inverse Universe

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



11.9888, 12.0954, 15.0681



20.9787, 20.9741, 26.8737



12.4887, 12.3531, 15.0915



3.0643, 3.0849, 3.8688



4.6528, 2.0257, 17.0680



22.7391, 9.8220, 86.9236

Previews

White Background



This preview shows how the XYZ color 12.5297, 13.7144, 13.0531 looks on a white background.

Color Contrast Check

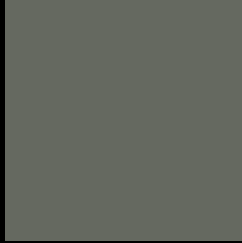
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5297, 13.7144, 13.0531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

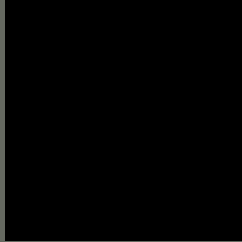
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5297, 13.7144, 13.0531

Background



This preview shows how black text looks on a background with the XYZ color 12.5297, 13.7144, 13.0531.



This preview shows how white text looks on a background with the XYZ color 12.5297, 13.7144,

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

12.5297, 13.7144, 13.0531

Protanopia

12.9792, 13.6525, 12.7776

Deuteranopia

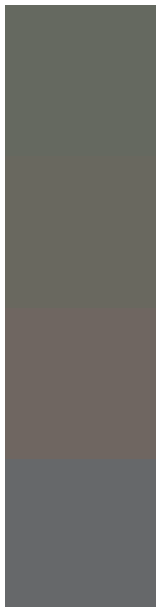
13.9173, 13.6904, 13.2183



Tritanopia

13.3130, 13.7318, 16.9877

Trichromacy



Original Color

12.5297, 13.7144, 13.0531

Protanomaly

12.8416, 13.7301, 12.7998

Deuteranomaly

13.4646, 13.7453, 13.2527

Tritanomaly

13.0313, 13.7660, 15.6060

Monochromacy



Original Color

12.5297, 13.7144, 13.0531

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7301, 13.6455, 14.0195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5297, 13.7144, 13.0531 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, 105, 96)` looks like.

```
.text, #text, p{  
    color:rgb(101, 105, 96)  
}
```

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, 105, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 105, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.5297, 13.7144, 13.0531 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, 105, 96) }
```


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

```
.border{ border-color:rgb(101, 105, 96) }
```

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

Here you see how a box with a 4 pixel rgb(101, 105, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 105, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 105, 96);  
box-shadow:4px 4px 4px 4px rgb(101, 105,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5297, 13.7144, 13.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 105, 96) }
```

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

```
.background{ background-color: rgb(101,  
105, 96) }
```

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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