

Converting Colors

XYZ(10.4406, 13.8382, 12.2817)

Have a look what the booklet for
XYZ(10.4406, 13.8382, 12.2817)
contains.

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Color

**XYZ(10.3984, 13.7388,
12.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	48705C
RGB	72, 112, 92
RGB Percent	28%, 44%, 36%
CMY	0.7176, 0.5608, 0.6392
CMYK	0.36, 0.00, 0.18, 0.56
HSL	150°, 22%, 36%
HSV	150°, 36%, 44%
XYZ	10.3984, 13.7388, 12.2290
YIQ	97.7600, -17.4200, -14.7000

Conversions

Conversions Part 2

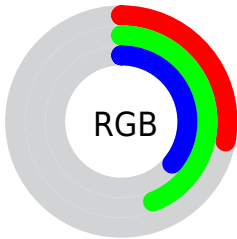
Format	Color
R_YB	72, 99, 112
Decimal	4747356
CIE Lab	43.86, -18.86, 6.70
CIE LCh	44, 20.019, 160.434
Yxy	13.7388, 0.2859, 0.3778
Android (android.graphics.Color)	4282937436 (0xFF48705C)
YUV	97.7600, -2.8397, -22.5915
Hunter-Lab	37.0659, -14.7892, 6.3848

Details

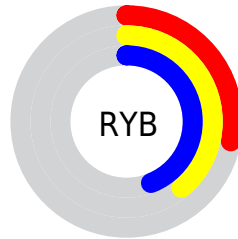
The XYZ color **10.3984, 13.7388, 12.2290** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.9317, 8.8524, 11.2582**, and the grayscale version is **11.5600, 12.1621, 13.2445**.

A 20% lighter version of the original color is **26.1840, 32.6415, 30.5116**, and **2.7274, 4.0707, 3.2267** is the 20% darker color. If you saturate the color by 10%, you get **9.4025, 13.2530, 10.9515**, and if you desaturate by 10%, it is **11.5653, 14.3114, 13.6096**.

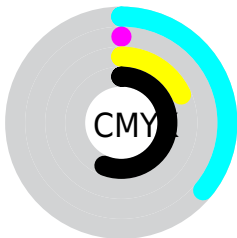
Distribution



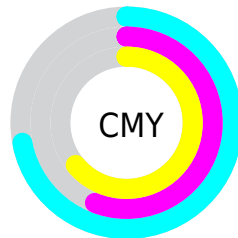
- Red (28%)
- Green (44%)
- Blue (36%)



- Red (28%)
- Yellow (39%)
- Blue (44%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (56%)



- Cyan (72%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3984, 13.7388, 12.2290 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 10.3984, 13.7388, 12.2290 by changing the saturation by 10% instead.

■ 10.3984, 13.7388,
12.2290

■ 10.3984, 13.7388,
12.2290

187.4872,
215.5998, 216.9469

■ 5.7282, 7.9392,
6.7754

■ 26.1851, 32.6248,
30.5821

■ 2.7196, 4.0561,
3.2457

■ 38.0324, 46.4801,
44.3187

■ 1.0073, 1.7050,
1.2214

■ 53.0026, 63.7894,
61.6534

■ 0.0000, 0.4269,
0.0000

■ 71.4613, 84.9371,
83.0047

■ 0.0000, 0.0000,
0.0000

■ 93.7737, 110.3075,
108.7912

120.3053,

140.2852, 139.4313

151.4213,
175.2545, 175.3437

■ 10.3984, 13.7388,
12.2290

■ 10.3984, 13.7388,
12.2290

■ 9.4025, 13.2530,
10.9515

■ 11.5653, 14.3114,
13.6096

■ 8.5679, 12.8480,
9.7737

■ 12.9101, 14.9732,
15.0947

■ 7.8855, 12.5194,
8.6934

■ 14.4407, 15.7286,
16.6869

■ 7.3446, 12.2618,
7.7080

■ 16.1641, 16.5812,
18.3884

■ 6.9335, 12.0692,
6.8146

■ 18.0871, 17.5344,
20.2012

■ 6.6284, 11.9294,
6.0097

■ 20.2160, 18.5914,
22.1275

■ 6.5083, 11.8744,
5.6903

■ 22.5568, 19.7554,
24.1692

■ 25.1154, 21.0292,
26.3283

■ 27.8973, 22.4158,
28.6066

Harmonies

Analogous

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



11.1844, 13.7388, 9.2631



10.3984, 13.7388, 12.2290



10.2911, 13.7388, 16.5918

Triad

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



10.3984, 13.7388, 12.2290



13.6166, 13.7388, 25.2582



15.5114, 13.7388, 9.9936

Complementary

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



10.3984, 13.7388, 12.2290



10.9317, 8.8524, 11.2582

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.



16.2818, 13.7388, 13.4374



10.3984, 13.7388, 12.2290



15.1307, 13.7388, 22.6122

Square

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



10.3984, 13.7388, 12.2290



12.0665, 13.7388, 24.7529



16.1371, 13.7388, 18.0683



14.1030, 13.7388, 8.1643

Rectangle

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



10.3984, 13.7388, 12.2290



10.6088, 13.7388, 19.8165



16.1371, 13.7388, 18.0683



15.8585, 13.7388, 10.9686

Sweetspot

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



10.3988, 13.7394, 12.2293



23.8282, 26.8698, 27.7314



11.4448, 14.3667, 8.3008



5.6604, 6.4236, 6.5951



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



10.3988, 13.7394, 12.2293



16.7759, 23.4073, 19.5830



11.3547, 14.1218, 17.2634



3.4081, 3.7884, 3.9555



7.5120, 13.7223, 6.5171



36.9852, 68.1827, 30.1713

Inverse Universe

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



10.9317, 8.8524, 11.2582



17.8636, 13.4323, 17.6008



10.1914, 8.5563, 7.3600



3.4476, 3.4267, 3.8836



8.5386, 4.3078, 4.6463



42.0991, 21.2850, 20.8519

Previews

White Background



This preview shows how the XYZ color 10.3984, 13.7388, 12.2290 looks on a white background.

Color Contrast Check

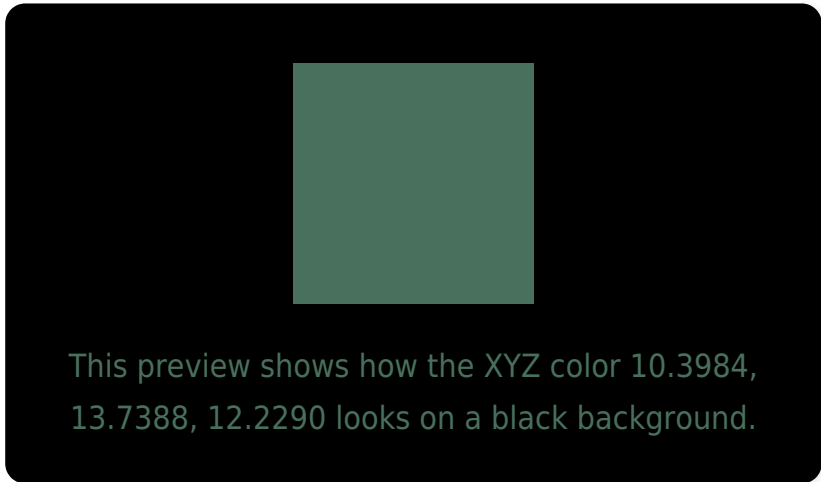
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.3984, 13.7388, 12.2290

Background



This preview shows how black text looks on a background with the XYZ color 10.3984, 13.7388, 12.2290.



This preview shows how white text looks on a background with the XYZ color 10.3984, 13.7388,

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

10.3984, 13.7388, 12.2290

Protanopia

12.8772, 13.6398, 10.9709

Deuteranopia

13.8252, 13.6536, 12.7332



Tritanopia

11.8214, 13.8413, 18.8782

Trichromacy



Original Color

10.3984, 13.7388, 12.2290

Protanomaly

11.7811, 13.5161, 11.4391

Deuteranomaly

12.2262, 13.4181, 12.5352

Tritanomaly

11.2632, 13.7711, 16.2518

Monochromacy



Original Color

10.3984, 13.7388, 12.2290

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.0814, 12.6689, 12.9276

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3984, 13.7388, 12.2290 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(72, 112, 92)` looks like.

```
.text, #text, p{  
    color:rgb(72, 112, 92)  
}
```

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(72, 112, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 112, 92) }
```

Border

The CSS property to change the border of an element to XYZ 10.3984, 13.7388, 12.2290 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(72, 112, 92) }
```


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

```
.border{ border-color:rgb(72, 112, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 112, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 112, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 112, 92);  
box-shadow:4px 4px 4px 4px rgb(72, 112,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3984, 13.7388, 12.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 112, 92) }
```

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

```
.background{ background-color: rgb(72, 112,  
92) }
```

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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