

Converting Colors

XYZ(13.3889, 13.6592, 12.2869)

Have a look what the booklet for
XYZ(13.3889, 13.6592, 12.2869)
contains.

XYZ(13.4092, 13.7378, 12.3008)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.4092, 13.7378,
12.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	70665D
RGB	112, 102, 93
RGB Percent	44%, 40%, 36%
CMY	0.5608, 0.6000, 0.6353
CMYK	0.00, 0.09, 0.17, 0.56
HSL	28°, 9%, 40%
HSV	28°, 17%, 44%
XYZ	13.4092, 13.7378, 12.3008
YIQ	103.9640, 8.8490, -0.6790

Conversions

Conversions Part 2

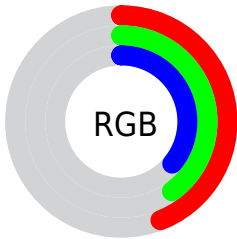
Format	Color
RYB	112, 110, 93
Decimal	7366237
CIELab	43.85, 2.30, 6.51
CIElCh	44, 6.907, 70.577
Yxy	13.7378, 0.3399, 0.3483
Android (android.graphics.Color)	4285556317 (0xFF70665D)
YUV	103.9640, -5.4053, 7.0476
Hunter-Lab	37.0645, -0.2853, 6.2683

Details

The XYZ color **13.4092, 13.7378, 12.3008** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.2889, 13.1970, 17.2288**, and the grayscale version is **13.1611, 13.8465, 15.0788**.

A 20% lighter version of the original color is **31.6590, 32.6581, 30.6216**, and **3.9936, 4.0276, 3.2562** is the 20% darker color. If you saturate the color by 10%, you get **12.3904, 12.4367, 9.6904**, and if you desaturate by 10%, it is **14.5426, 15.1515, 15.3083**.

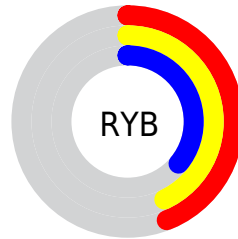
Distribution



Red (44%)

Green (40%)

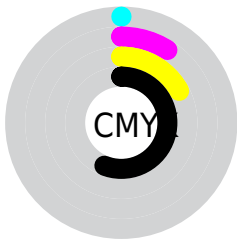
Blue (36%)



Red (44%)

Yellow (43%)

Blue (36%)

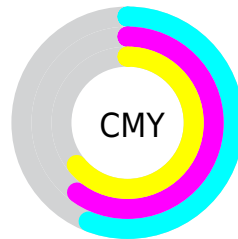


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (56%)



Cyan (56%)

Magenta (60%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4092, 13.7378, 12.3008 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 13.4092, 13.7378, 12.3008 by changing the saturation by 10% instead.

■ 13.4092, 13.7378,
12.3008

■ 13.4092, 13.7378,
12.3008

207.1088,
215.5935, 217.4347

■ 7.7899, 7.9385,
6.8239

■ 31.6321, 32.6231,
30.7143

■ 4.0114, 4.0556,
3.2754

■ 44.9664, 46.4778,
44.4880

■ 1.7086, 1.7047,
1.2369

■ 61.6030, 63.7866,
61.8643

■ 0.4617, 0.4267,
0.0092

■ 81.9073, 84.9337,
83.2619

■ 0.0000, 0.0000,
0.0000

106.2447,
110.3035, 109.0991

134.9805,

140.2805, 139.7947

168.4801,
175.2491, 175.7670

■ 13.4092, 13.7378,
12.3008

■ 13.4092, 13.7378,
12.3008

■ 12.3904, 12.4367,
9.6904

■ 14.5426, 15.1515,
15.3083

■ 11.4811, 11.2435,
7.4594

■ 15.7933, 16.6789,
18.7278

■ 10.6774, 10.1557,
5.5898

■ 17.1652, 18.3233,
22.5745

■ 9.9748, 9.1700,
4.0623

■ 18.6618, 20.0873,
26.8628

■ 9.3683, 8.2829,
2.8553

■ 20.2863, 21.9735,
31.6061

■ 8.8524, 7.4906,
1.9449

■ 22.0420, 23.9842,
36.8175

■ 8.4210, 6.7891,
1.3037

■ 23.9318, 26.1219,
42.5093

■ 8.0602, 6.1711,
0.8640

■ 25.9587, 28.3888,
48.6935

■ 7.9583, 5.9972,
0.7381

■ 28.1255, 30.7872,
55.3818

Harmonies

Analogous

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



13.8702, 13.7378, 13.0884



13.4092, 13.7378, 12.3008



12.8658, 13.7378, 12.1959

Triad

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



13.4092, 13.7378, 12.3008



12.0534, 13.7378, 15.5162



13.7514, 13.7378, 17.3571

Complementary

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



13.4092, 13.7378, 12.3008



12.2889, 13.1970, 17.2288

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.



13.2508, 13.7378, 18.1088



13.4092, 13.7378, 12.3008



12.2770, 13.7378, 16.9979

Square

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



13.4092, 13.7378, 12.3008



12.0932, 13.7378, 13.9815



12.7117, 13.7378, 17.9730



14.0715, 13.7378, 15.9792

Rectangle

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



13.4092, 13.7378, 12.3008



12.5312, 13.7378, 12.5186



12.7117, 13.7378, 17.9730



13.5981, 13.7378, 17.6956

Sweetspot

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



13.4096, 13.7384, 12.3011



25.9349, 27.0942, 27.9389



13.0514, 12.2555, 14.5448



6.2029, 6.4751, 6.6370



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.



13.4096, 13.7384, 12.3011



22.8974, 23.2988, 19.8988



14.3824, 15.6841, 12.6254



3.5027, 3.6379, 3.5909



9.1776, 6.8877, 0.8457



44.8661, 32.6074, 3.9292

Inverse Universe

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



12.2889, 13.1970, 17.2288



20.5715, 22.1751, 30.1258



11.4091, 11.4375, 16.9356



3.3493, 3.5638, 4.2656



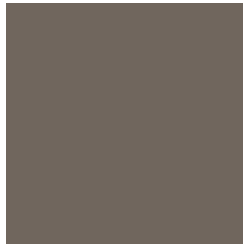
5.1620, 4.9143, 18.3981



24.8450, 22.7418, 91.3593

Previews

White Background



This preview shows how the XYZ color 13.4092, 13.7378, 12.3008 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 13.4092, 13.7378, 12.3008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

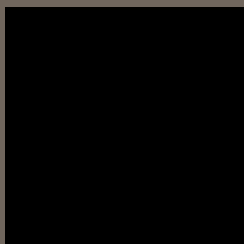
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4092, 13.7378, 12.3008

Background



This preview shows how black text looks on a background with the XYZ color 13.4092, 13.7378, 12.3008.



This preview shows how white text looks on a background with the XYZ color 13.4092, 13.7378,

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

13.4092, 13.7378, 12.3008

Protanopia

13.0550, 13.6968, 12.5453

Deuteranopia

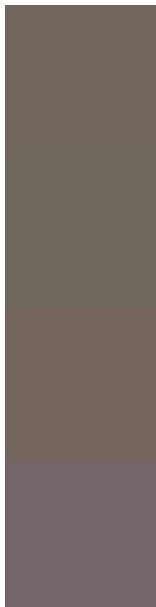
13.8691, 13.6866, 12.2667



Tritanopia

14.2034, 13.7745, 16.0975

Trichromacy



Original Color

13.4092, 13.7378, 12.3008

Protanomaly

13.1773, 13.7599, 12.5511

Deuteranomaly

13.6997, 13.7425, 12.2864

Tritanomaly

13.9119, 13.7973, 14.7619

Monochromacy



Original Color

13.4092, 13.7378, 12.3008

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2139, 13.7464, 14.0135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4092, 13.7378, 12.3008 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(112, 102, 93)` looks like.

```
.text, #text, p{  
    color:rgb(112, 102, 93)  
}
```

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(112, 102, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 102, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.4092, 13.7378, 12.3008 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(112, 102, 93) }
```


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

```
.border{ border-color:rgb(112, 102, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 102, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 102, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 102, 93);  
box-shadow:4px 4px 4px 4px rgb(112, 102,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4092, 13.7378, 12.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 102, 93) }
```

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

```
.background{ background-color: rgb(112,  
102, 93) }
```

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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