

Converting Colors

XYZ(13.2750, 12.3380, 12.5624)

Have a look what the booklet for
XYZ(13.2750, 12.3380, 12.5624)
contains.

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Color

**XYZ(13.2288, 12.2624,
12.4961)**

Conversions

Conversions Part 1

Format	Color
Hex	755C5F
RGB	117, 92, 95
RGB Percent	46%, 36%, 37%
CMY	0.5412, 0.6392, 0.6274
CMYK	0.00, 0.21, 0.19, 0.54
HSL	353°, 12%, 41%
HSV	353°, 21%, 46%
XYZ	13.2288, 12.2624, 12.4961
YIQ	99.8170, 13.9370, 6.2330

Conversions

Conversions Part 2

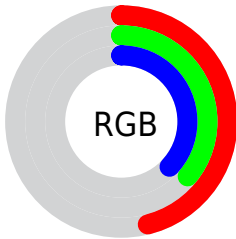
Format	Color
R _Y B	117, 92, 95
Decimal	7691359
CIE Lab	41.63, 10.71, 2.17
CIE LCh	42, 10.929, 11.449
Yxy	12.2624, 0.3482, 0.3228
Android (android.graphics.Color)	4285881439 (0xFF755C5F)
YUV	99.8170, -2.3748, 15.0695
Hunter-Lab	35.0177, 6.1518, 3.3547

Details

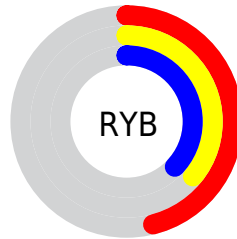
The XYZ color **13.2288, 12.2624, 12.4961** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8127, 16.2131, 18.3218**, and the grayscale version is **12.0701, 12.6987, 13.8289**.

A 20% lighter version of the original color is **31.1460, 29.8254, 30.9034**, and **3.9153, 3.4047, 3.3565** is the 20% darker color. If you saturate the color by 10%, you get **11.8550, 10.2149, 9.8796**, and if you desaturate by 10%, it is **14.8217, 14.6489, 15.4913**.

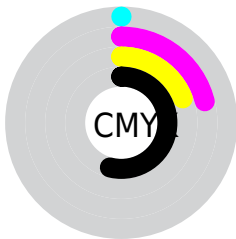
Distribution



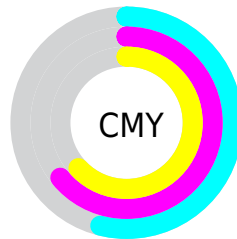
- Red (46%)
- Green (36%)
- Blue (37%)



- Red (46%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (21%)
- Yellow (19%)
- Black (54%)



- Cyan (54%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2288, 12.2624, 12.4961 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 13.2288, 12.2624, 12.4961 by changing the saturation by 10% instead.

■ 13.2288, 12.2624,
12.4961

■ 13.2288, 12.2624,
12.4961

205.9869,
206.1348, 218.7557

■ 7.6644, 6.9226,
6.9559

■ 31.3121, 29.9721,
31.0733

■ 3.9309, 3.4138,
3.3565

■ 44.5616, 43.1109,
44.9473

■ 1.6631, 1.3514,
1.2794

■ 61.1035, 59.6181,
62.4364

■ 0.4330, 0.1805,
0.0448

■ 81.3033, 79.8781,
83.9590

■ 0.0000, 0.0000,
0.0000

105.5261,
104.2755, 109.9337

134.1374,

133.1944, 140.7790

167.5026,
167.0194, 176.9135

■ 13.2288, 12.2624,
12.4961

■ 13.2288, 12.2624,
12.4961

■ 11.8550, 10.2149,
9.8796

■ 14.8217, 14.6489,
15.4913

■ 10.6897, 8.4894,
7.6258

■ 16.6418, 17.3870,
18.8785

■ 9.7230, 7.0700,
5.7191

■ 18.6977, 20.4908,
22.6716

■ 8.9438, 5.9388,
4.1419

■ 20.9976, 23.9731,
26.8834

■ 8.3396, 5.0760,
2.8757

■ 23.5491, 27.8460,
31.5261

■ 7.8969, 4.4593,
1.8995

■ 26.3595, 32.1211,
36.6116

■ 7.5997, 4.0628,
1.1902

■ 29.4359, 36.8096,
42.1512

■ 7.4156, 3.8137,
0.7618

■ 32.7849, 41.9221,
48.1557

■ 36.4132, 47.4690,
54.6357

Harmonies

Analogous

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



13.1752, 12.2624, 14.8031



13.2288, 12.2624, 12.4961



12.8466, 12.2624, 10.6424

Triad

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



13.2288, 12.2624, 12.4961



10.6661, 12.2624, 10.3140



11.1724, 12.2624, 17.9793

Complementary

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



13.2288, 12.2624, 12.4961



13.8127, 16.2131, 18.3218

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.



10.5395, 12.2624, 16.4857



13.2288, 12.2624, 12.4961



10.2566, 12.2624, 11.9984

Square

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



13.2288, 12.2624, 12.4961



11.3523, 12.2624, 9.4822



10.2113, 12.2624, 14.2454



11.9631, 12.2624, 18.1522

Rectangle

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



13.2288, 12.2624, 12.4961



12.4059, 12.2624, 9.8435



10.2113, 12.2624, 14.2454



10.9351, 12.2624, 17.6077

Sweetspot

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



13.2291, 12.2630, 12.4964



28.1876, 28.7062, 30.8113



13.9345, 12.4943, 18.5069



6.4456, 6.5471, 7.0185



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.2291, 12.2630, 12.4964



22.3360, 19.9395, 19.8080



13.9381, 13.8948, 12.0732



3.7002, 3.7074, 3.9479



8.1667, 4.2004, 0.8203



39.6225, 20.3991, 3.0753

Inverse Universe

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



13.2291, 12.2630, 12.4964



22.3360, 19.9395, 19.8080



12.9700, 14.2501, 18.8967



3.7002, 3.7074, 3.9479



8.1667, 4.2004, 0.8203



39.6225, 20.3991, 3.0753

Previews

White Background



This preview shows how the XYZ color 13.2288, 12.2624, 12.4961 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 13.2288, 12.2624, 12.4961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

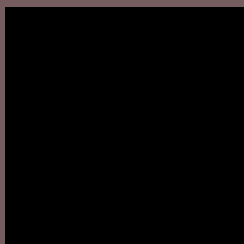
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2288, 12.2624, 12.4961

Background



This preview shows how black text looks on a background with the XYZ color 13.2288, 12.2624, 12.4961.



This preview shows how white text looks on a background with the XYZ color 13.2288, 12.2624,

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

13.2288, 12.2624, 12.4961

Protanopia

11.8278, 12.3265, 13.3111

Deuteranopia

12.4193, 12.2438, 12.2984



Tritanopia

13.3293, 12.1649, 13.4499

Trichromacy



Original Color

13.2288, 12.2624, 12.4961

Protanomaly

12.2844, 12.2930, 13.0346

Deuteranomaly

12.7052, 12.2583, 12.2861

Tritanomaly

13.2818, 12.1459, 13.1996

Monochromacy



Original Color

13.2288, 12.2624, 12.4961

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4232, 12.4954, 13.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2288, 12.2624, 12.4961 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(117, 92, 95)` looks like.

```
.text, #text, p{  
    color:rgb(117, 92, 95)  
}
```

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(117, 92, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 92, 95) }
```

Border

The CSS property to change the border of an element to XYZ 13.2288, 12.2624, 12.4961 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(117, 92, 95) }
```


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

```
.border{ border-color:rgb(117, 92, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 92, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 92, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 92, 95);  
box-shadow:4px 4px 4px 4px rgb(117, 92,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2288, 12.2624, 12.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 92, 95) }
```

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

```
.background{ background-color: rgb(117, 92,  
95) }
```

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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