

Converting Colors

XYZ(12.7724, 13.6827, 12.3363)

Have a look what the booklet for
XYZ(12.7724, 13.6827, 12.3363)
contains.

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Color

**XYZ(12.7518, 13.6942,
12.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	69685D
RGB	105, 104, 93
RGB Percent	41%, 41%, 36%
CMY	0.5882, 0.5921, 0.6353
CMYK	0.00, 0.01, 0.11, 0.59
HSL	55°, 6%, 39%
HSV	55°, 11%, 41%
XYZ	12.7518, 13.6942, 12.3271
YIQ	103.0450, 4.1270, -3.2090

Conversions

Conversions Part 2

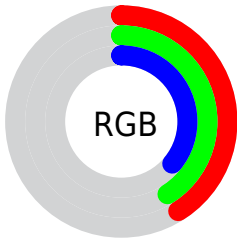
Format	Color
R_{YB}	94, 105, 93
Decimal	6907997
CIE _{Lab}	43.79, -1.76, 6.34
CIE _{LCh}	44, 6.574, 105.485
Yxy	13.6942, 0.3289, 0.3532
Android (android.graphics.Color)	4285098077 (0xFF69685D)
YUV	103.0450, -4.9522, 1.7145
Hunter-Lab	37.0057, -3.2505, 6.1537

Details

The XYZ color **12.7518, 13.6942, 12.3271** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0667, 11.3523, 14.9727**, and the grayscale version is **12.9163, 13.5889, 14.7983**.

A 20% lighter version of the original color is **30.3896, 32.4938, 30.6568**, and **3.7211, 4.0310, 3.2713** is the 20% darker color. If you saturate the color by 10%, you get **12.2310, 13.3465, 10.0144**, and if you desaturate by 10%, it is **13.3381, 14.0705, 14.9771**.

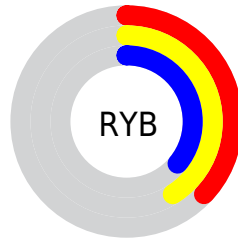
Distribution



Red (41%)

Green (41%)

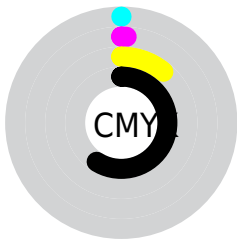
Blue (36%)



Red (37%)

Yellow (41%)

Blue (36%)

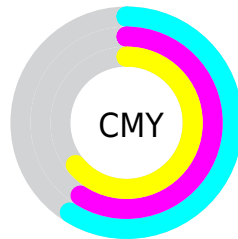


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (59%)



Cyan (59%)

Magenta (59%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7518, 13.6942, 12.3271 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 12.7518, 13.6942, 12.3271 by changing the saturation by 10% instead.

■ 12.7518, 13.6942,
12.3271

■ 12.7518, 13.6942,
12.3271

202.9907,
215.3200, 217.6131

■ 7.3337, 7.9083,
6.8416

■ 30.4623, 32.5454,
30.7627

■ 3.7198, 4.0363,
3.2863

■ 43.4853, 46.3796,
44.5500

■ 1.5449, 1.6939,
1.2426

■ 59.7741, 63.6652,
61.9415

■ 0.3561, 0.4197,
0.0141

■ 79.6939, 84.7867,
83.3559

■ 0.0000, 0.0000,
0.0000

103.6101,
110.1286, 109.2118

131.8881,

140.0752, 139.9275

164.8932,
175.0109, 175.9218

■ 12.7518, 13.6942,
12.3271

■ 12.7518, 13.6942,
12.3271

■ 12.2310, 13.3465,
10.0144

■ 13.3381, 14.0705,
14.9771

■ 11.7721, 13.0244,
8.0245

■ 13.9913, 14.4746,
17.9764

■ 11.3726, 12.7277,
6.3432

■ 14.7140, 14.9080,
21.3374

■ 11.0296, 12.4549,
4.9548

■ 15.5085, 15.3715,
25.0717

■ 10.7398, 12.2049,
3.8422

■ 16.3768, 15.8660,
29.1904

■ 10.4997, 11.9761,
2.9866

■ 17.3210, 16.3924,
33.7042

■ 10.3051, 11.7671,
2.3669

■ 18.3430, 16.9514,
38.6231

■ 10.1515, 11.5758,
1.9578

■ 19.4447, 17.5437,
43.9571

■ 10.0333, 11.4184,
1.6752

■ 20.6279, 18.1702,
49.7156

Harmonies

Analogous

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



13.2672, 13.6942, 12.3161



12.7518, 13.6942, 12.3271



12.3185, 13.6942, 12.9988

Triad

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



12.7518, 13.6942, 12.3271



12.3300, 13.6942, 17.0387



14.0042, 13.6942, 15.6371

Complementary

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



12.7518, 13.6942, 12.3271



11.0667, 11.3523, 14.9727

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.



13.7392, 13.6942, 17.0013



12.7518, 13.6942, 12.3271



12.7679, 13.6942, 17.8462

Square

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



12.7518, 13.6942, 12.3271



12.0794, 13.6942, 15.6853



13.2837, 13.6942, 17.8321



13.9996, 13.6942, 14.1619

Rectangle

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



12.7518, 13.6942, 12.3271



12.1305, 13.6942, 13.7581



13.2837, 13.6942, 17.8321



13.9434, 13.6942, 16.1259

Sweetspot

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



12.7522, 13.6948, 12.3274



23.7012, 25.0798, 25.9887



11.7606, 11.6403, 12.2168



5.5347, 5.8640, 6.0093



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.



12.7522, 13.6948, 12.3274



22.5447, 24.3315, 20.7795



12.2831, 13.6029, 12.3344



3.3127, 3.5427, 3.3267



12.6914, 14.4325, 2.1168



64.3620, 72.9276, 10.6842

Inverse Universe

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



11.0667, 11.3523, 14.9727



18.8139, 19.1464, 26.6351



11.5013, 11.4455, 14.9677



2.9668, 3.0619, 3.8695



3.3344, 1.5031, 17.0366



16.7074, 7.0933, 86.7148

Previews

White Background



This preview shows how the XYZ color 12.7518, 13.6942, 12.3271 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 12.7518, 13.6942, 12.3271 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

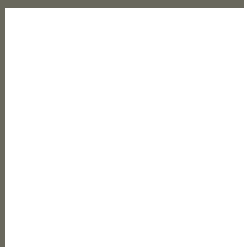
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.7518, 13.6942, 12.3271

Background



This preview shows how black text looks on a background with the XYZ color 12.7518, 13.6942, 12.3271.



This preview shows how white text looks on a background with the XYZ color 12.7518, 13.6942,

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

12.7518, 13.6942, 12.3271

Protanopia

13.0104, 13.6790, 12.3105

Deuteranopia

13.9137, 13.7044, 12.5016



Tritanopia

13.6292, 13.7543, 16.6884

Trichromacy



Original Color

12.7518, 13.6942, 12.3271

Protanomaly

12.8894, 13.6166, 12.3048

Deuteranomaly

13.4841, 13.6262, 12.5091

Tritanomaly

13.2928, 13.7641, 15.0528

Monochromacy



Original Color

12.7518, 13.6942, 12.3271

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8113, 13.5444, 13.7435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7518, 13.6942, 12.3271 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(105, 104, 93)` looks like.

```
.text, #text, p{  
    color:rgb(105, 104, 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(105, 104, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 104, 93) }
```

Border

The CSS property to change the border of an element to XYZ 12.7518, 13.6942, 12.3271 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(105, 104, 93) }
```


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

```
.border{ border-color:rgb(105, 104, 93) }
```

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

Here you see how a box with a 4 pixel rgb(105, 104, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 104, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 104, 93);  
box-shadow:4px 4px 4px 4px rgb(105, 104,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7518, 13.6942, 12.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 104, 93) }
```

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

```
.background{ background-color: rgb(105,  
104, 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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