

Converting Colors

XYZ(12.5189, 12.7043, 14.1216)

Have a look what the booklet for
XYZ(12.5189, 12.7043, 14.1216)
contains.

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Color

**XYZ(12.5423, 12.6782,
14.0980)**

Conversions

Conversions Part 1

Format	Color
Hex	696265
RGB	105, 98, 101
RGB Percent	41%, 38%, 40%
CMY	0.5882, 0.6157, 0.6039
CMYK	0.00, 0.07, 0.04, 0.59
HSL	334°, 3%, 40%
HSV	334°, 7%, 41%
XYZ	12.5423, 12.6782, 14.0980
YIQ	100.4350, 3.2090, 2.4170

Conversions

Conversions Part 2

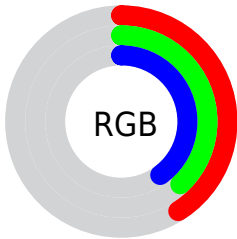
Format	Color
R_{YB}	105, 98, 101
Decimal	6906469
CIE _{Lab}	42.27, 3.37, -0.71
CIE _{LCh}	42, 3.447, 348.158
Yxy	12.6782, 0.3190, 0.3224
Android (android.graphics.Color)	4285096549 (0xFF696265)
YUV	100.4350, 0.2785, 4.0035
Hunter-Lab	35.6065, 0.5649, 1.4493

Details

The XYZ color **12.5423, 12.6782, 14.0980** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4873, 13.6594, 14.5493**, and the grayscale version is **12.2233, 12.8599, 14.0044**.

A 20% lighter version of the original color is **30.1252, 30.8298, 34.0687**, and **3.6388, 3.6219, 3.9973** is the 20% darker color. If you saturate the color by 10%, you get **11.3403, 10.7276, 12.2992**, and if you desaturate by 10%, it is **13.8954, 14.8963, 16.0534**.

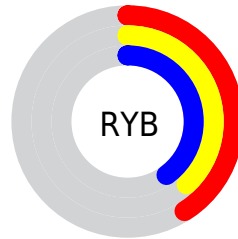
Distribution



Red (41%)

Green (38%)

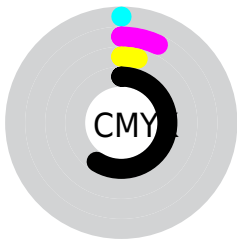
Blue (40%)



Red (41%)

Yellow (38%)

Blue (40%)

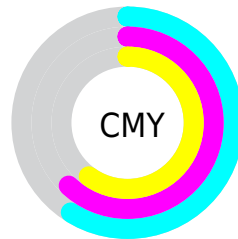


Cyan (0%)

Magenta (7%)

Yellow (4%)

Black (59%)



Cyan (59%)

Magenta (62%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5423, 12.6782, 14.0980 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 12.5423, 12.6782, 14.0980 by changing the saturation by 10% instead.

■ 12.5423, 12.6782,
14.0980

■ 12.5423, 12.6782,
14.0980

201.6606,
208.8449, 229.2892

■ 7.1890, 7.2073,
8.0493

■ 30.0874, 30.7244,
33.9824

■ 3.6279, 3.5921,
4.0383

■ 43.0098, 44.0686,
48.6553

■ 1.4939, 1.4481,
1.6464

■ 59.1860, 60.8060,
67.0399

■ 0.3217, 0.2518,
0.3236

■ 78.9813, 81.3209,
89.5549

■ 0.0000, 0.0000,
0.0000

102.7611,
105.9979, 116.6188

130.8906,

135.2213, 148.6502

163.7353,
169.3755, 186.0674

■ 12.5423, 12.6782,
14.0980

■ 12.5423, 12.6782,
14.0980

■ 11.3403, 10.7276,
12.2992

■ 13.8954, 14.8963,
16.0534

■ 10.2829, 9.0326,
10.6522

■ 15.4037, 17.3899,
18.1686

■ 9.3646, 7.5832,
9.1530

■ 17.0725, 20.1686,
20.4475

■ 8.5794, 6.3676,
7.7971

■ 18.9063, 23.2411,
22.8937

■ 7.9205, 5.3735,
6.5799

■ 20.9098, 26.6157,
25.5108

7.3807, 4.5870,
5.4962

23.0871, 30.3004,
28.3022

6.9520, 3.9931,
4.5407

25.4426, 34.3029,
31.2711

6.6251, 3.5744,
3.7076

27.9801, 38.6307,
34.4207

6.3766, 3.2844,
2.9859

30.7035, 43.2908,
37.7541

Harmonies

Analogous

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



12.4236, 12.6782, 14.7740



12.5423, 12.6782, 14.0980



12.5278, 12.6782, 13.3664

Triad

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



12.5423, 12.6782, 14.0980



11.8963, 12.6782, 12.4980



11.7224, 12.6782, 14.8901

Complementary

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



12.5423, 12.6782, 14.0980



12.4873, 13.6594, 14.5493

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.



11.5850, 12.6782, 14.2519



12.5423, 12.6782, 14.0980



11.6845, 12.6782, 12.8782

Square

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



12.5423, 12.6782, 14.0980



12.1523, 12.6782, 12.4601



11.5712, 12.6782, 13.5149



11.9487, 12.6782, 15.2421

Rectangle

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



12.5423, 12.6782, 14.0980



12.4445, 12.6782, 12.9451



11.5712, 12.6782, 13.5149



11.6644, 12.6782, 14.7009

Sweetspot

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



12.5427, 12.6788, 14.0983



23.5410, 24.4718, 26.8223



12.3936, 12.5787, 15.1394



5.5243, 5.7486, 6.2974



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.



12.5427, 12.6788, 14.0983



22.1044, 22.1246, 24.7219



12.4422, 12.7086, 13.3532



3.1486, 3.1363, 3.5127



7.9577, 4.0352, 3.4060



40.1301, 20.3940, 15.1538

Inverse Universe

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



12.5427, 12.6788, 14.0983



22.1044, 22.1246, 24.7219



12.5913, 13.6252, 15.3309



3.1486, 3.1363, 3.5127



7.9577, 4.0352, 3.4060



40.1301, 20.3940, 15.1538

Previews

White Background



This preview shows how the XYZ color 12.5423, 12.6782, 14.0980 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 12.5423, 12.6782, 14.0980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

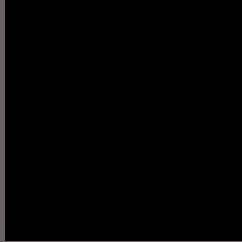
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5423, 12.6782, 14.0980

Background



This preview shows how black text looks on a background with the XYZ color 12.5423, 12.6782, 14.0980.



This preview shows how white text looks on a background with the XYZ color 12.5423, 12.6782,

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

12.5423, 12.6782, 14.0980

Protanopia

12.2269, 12.6497, 14.3676

Deuteranopia

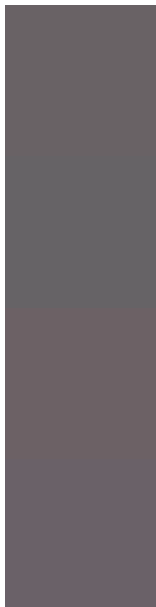
12.9303, 12.7402, 14.0895



Tritanopia

12.7684, 12.6335, 15.1301

Trichromacy



Original Color

12.5423, 12.6782, 14.0980

Protanomaly

12.3396, 12.7078, 14.3728

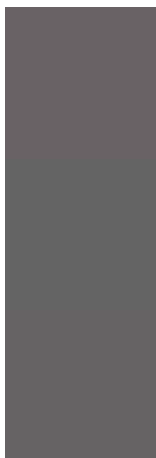
Deuteranomaly

12.8080, 12.6771, 14.0838

Tritanomaly

12.7172, 12.6130, 14.8610

Monochromacy



Original Color

12.5423, 12.6782, 14.0980

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.2416, 12.6686, 13.8567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5423, 12.6782, 14.0980 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, 98, 101) looks like.

```
.text, #text, p{  
    color:rgb(105, 98, 101)  
}
```

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, 98, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 98, 101) }
```

Border

The CSS property to change the border of an element to XYZ 12.5423, 12.6782, 14.0980 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, 98, 101) }
```


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

```
.border{ border-color:rgb(105, 98, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 98, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 98, 101); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 98, 101); box-shadow:4px 4px 4px 4px rgb(105, 98, 101) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5423, 12.6782, 14.0980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 98, 101) }
```

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

```
.background{ background-color: rgb(105, 98,  
101) }
```

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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