

Converting Colors

XYZ(10.1169, 12.7051, 9.8287)

Have a look what the booklet for
XYZ(10.1169, 12.7051, 9.8287)
contains.

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Color

**XYZ(10.1567, 12.7111,
9.9008)**

Conversions

Conversions Part 1

Format	Color
Hex	526A52
RGB	82, 106, 82
RGB Percent	32%, 42%, 32%
CMY	0.6784, 0.5843, 0.6784
CMYK	0.23, 0.00, 0.23, 0.58
HSL	120°, 13%, 37%
HSV	120°, 23%, 42%
XYZ	10.1567, 12.7111, 9.9008
YIQ	96.0880, -6.6000, -12.5520

Conversions

Conversions Part 2

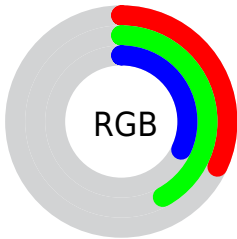
Format	Color
R _Y B	82, 106, 106
Decimal	5401170
CIE Lab	42.32, -14.13, 10.62
CIE LCh	42, 17.679, 143.062
Yxy	12.7111, 0.3100, 0.3879
Android (android.graphics.Color)	4283591250 (0xFF526A52)
YUV	96.0880, -6.9454, -12.3552
Hunter-Lab	35.6526, -11.5411, 8.4919

Details

The XYZ color **10.1567, 12.7111, 9.9008** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.5631, 10.1397, 14.9840**, and the grayscale version is **11.1573, 11.7384, 12.7831**.

A 20% lighter version of the original color is **25.6694, 30.6582, 26.0374**, and **2.6254, 3.6366, 2.3138** is the 20% darker color. If you saturate the color by 10%, you get **8.9325, 12.1234, 7.8982**, and if you desaturate by 10%, it is **11.5863, 13.3982, 12.2390**.

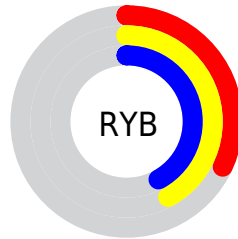
Distribution



Red (32%)

Green (42%)

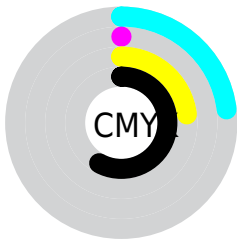
Blue (32%)



Red (32%)

Yellow (42%)

Blue (42%)

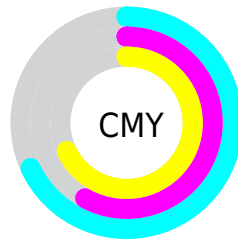


Cyan (23%)

Magenta (0%)

Yellow (23%)

Black (58%)



Cyan (68%)

Magenta (58%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1567, 12.7111, 9.9008 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 10.1567, 12.7111, 9.9008 by changing the saturation by 10% instead.

■ 10.1567, 12.7111,
9.9008

■ 10.1567, 12.7111,
9.9008

185.8172,
209.0578, 200.4216

■ 5.5660, 7.2299,
5.2285

■ 25.7368, 30.7838,
26.2136

■ 2.6212, 3.6063,
2.3209

■ 37.4570, 44.1441,
38.6912

■ 0.9568, 1.4559,
0.7429

■ 52.2844, 60.8995,
54.6077

■ 0.0000, 0.2574,
0.0000

■ 70.5844, 81.4345,
74.3816

■ 0.0000, 0.0000,
0.0000

■ 92.7223, 106.1334,
98.4313

119.0635,

135.3807, 127.1756

149.9733,
169.5606, 161.0328

■ 10.1567, 12.7111,
9.9008

■ 10.1567, 12.7111,
9.9008

■ 8.9325, 12.1234,
7.8982

■ 11.5863, 13.3982,
12.2390

■ 7.9034, 11.6291,
6.2149

■ 13.2292, 14.1874,
14.9261

■ 7.0596, 11.2238,
4.8347

■ 15.0939, 15.0830,
17.9761

■ 6.3901, 10.9022,
3.7396

■ 17.1882, 16.0890,
21.4017

■ 5.8827, 10.6585,
2.9097

■ 19.5195, 17.2089,
25.2151

■ 5.5237, 10.4860,
2.3225

■ 22.0951, 18.4461,
29.4279

■ 5.2946, 10.3760,
1.9477

■ 24.9216, 19.8038,
34.0512

■ 5.1543, 10.3086,
1.7181

■ 28.0057, 21.2853,
39.0957

■ 31.3536, 22.8934,
44.5718

Harmonies

Analogous

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



11.1103, 12.7111, 8.1520



10.1567, 12.7111, 9.9008



9.7240, 12.7111, 12.9771

Triad

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



10.1567, 12.7111, 9.9008



11.7763, 12.7111, 22.4242



14.5816, 12.7111, 11.1732

Complementary

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



10.1567, 12.7111, 9.9008



11.5631, 10.1397, 14.9840

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.



14.7923, 12.7111, 14.7408



10.1567, 12.7111, 9.9008



13.1077, 12.7111, 21.7011

Square

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



10.1567, 12.7111, 9.9008



10.6137, 12.7111, 20.5328



14.2353, 12.7111, 18.7065



13.6788, 12.7111, 8.7873

Rectangle

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



10.1567, 12.7111, 9.9008



9.7649, 12.7111, 15.5564



14.2353, 12.7111, 18.7065



14.7383, 12.7111, 12.2552

Sweetspot

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



10.1570, 12.7116, 9.9011



21.8571, 24.2450, 23.9709



12.6214, 13.9821, 10.0164



5.0975, 5.6686, 5.5784



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.



10.1570, 12.7116, 9.9011



16.6844, 21.7603, 15.5101



10.6545, 12.9106, 12.5205



3.0640, 3.4448, 3.3209



6.3963, 12.7926, 2.1321



32.5919, 65.1839, 10.8640

Inverse Universe

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



11.5631, 10.1397, 14.9840



19.6047, 16.4186, 26.0667



10.9819, 9.9072, 11.9235



3.2176, 3.1639, 3.8760



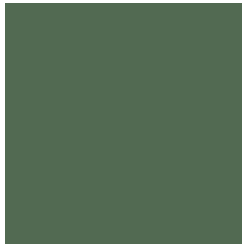
10.6050, 5.0941, 17.3462



54.0370, 25.9567, 88.3864

Previews

White Background



This preview shows how the XYZ color 10.1567, 12.7111, 9.9008 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 10.1567, 12.7111, 9.9008 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 10.1567, 12.7111, 9.9008

Background



This preview shows how black text looks on a background with the XYZ color 10.1567, 12.7111, 9.9008.



This preview shows how white text looks on a background with the XYZ color 10.1567, 12.7111,

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

10.1567, 12.7111, 9.9008

Protanopia

11.8170, 12.5524, 9.1972

Deuteranopia

12.8533, 12.6507, 10.1519



Tritanopia

11.4963, 12.6548, 16.5885

Trichromacy



Original Color

10.1567, 12.7111, 9.9008

Protanomaly

11.1291, 12.6233, 9.4394

Deuteranomaly

11.7120, 12.6224, 10.0027

Tritanomaly

10.8968, 12.5519, 13.9050

Monochromacy



Original Color

10.1567, 12.7111, 9.9008

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7599, 12.0938, 11.6648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1567, 12.7111, 9.9008 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(82, 106, 82)` looks like.

```
.text, #text, p{  
    color:rgb(82, 106, 82)  
}
```

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(82, 106, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 106, 82) }
```

Border

The CSS property to change the border of an element to XYZ 10.1567, 12.7111, 9.9008 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(82, 106, 82) }
```


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

```
.border{ border-color:rgb(82, 106, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 106, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 106, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 106, 82);  
box-shadow:4px 4px 4px 4px rgb(82, 106,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1567, 12.7111, 9.9008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 106, 82) }
```

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

```
.background{ background-color: rgb(82, 106,  
82) }
```

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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