

Converting Colors

XYZ(9.3248, 11.8583, 10.0653)

Have a look what the booklet for
XYZ(9.3248, 11.8583, 10.0653)
contains.

XYZ(9.3132, 11.8209, 9.9744)	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(9.3132, 11.8209,
9.9744)**

Conversions

Conversions Part 1

Format	Color
Hex	4B6753
RGB	75, 103, 83
RGB Percent	29%, 40%, 33%
CMY	0.7059, 0.5961, 0.6745
CMYK	0.27, 0.00, 0.19, 0.60
HSL	137°, 16%, 35%
HSV	137°, 27%, 40%
XYZ	9.3132, 11.8209, 9.9744
YIQ	92.3480, -10.2680, -12.1560

Conversions

Conversions Part 2

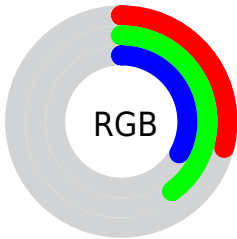
Format	Color
RYB	75, 97, 103
Decimal	4941651
CIELab	40.93, -14.88, 8.00
CIElCh	41, 16.891, 151.742
Yxy	11.8209, 0.2994, 0.3800
Android (android.graphics.Color)	4283131731 (0xFF4B6753)
YUV	92.3480, -4.6086, -15.2142
Hunter-Lab	34.3815, -11.8160, 6.8665

Details

The XYZ color **9.3132, 11.8209, 9.9744** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.1755, 8.7421, 11.9780**, and the grayscale version is **10.2653, 10.7999, 11.7610**.

A 20% lighter version of the original color is **24.0326, 29.0622, 26.1727**, and **2.2994, 3.2443, 2.3387** is the 20% darker color. If you saturate the color by 10%, you get **8.3028, 11.3314, 8.5223**, and if you desaturate by 10%, it is **10.4849, 12.3907, 11.5920**.

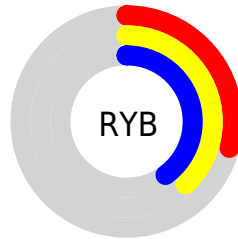
Distribution



Red (29%)

Green (40%)

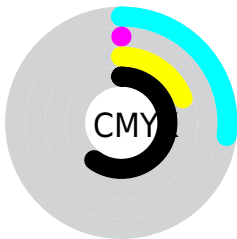
Blue (33%)



Red (29%)

Yellow (38%)

Blue (40%)

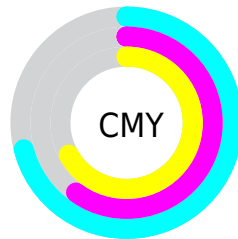


Cyan (27%)

Magenta (0%)

Yellow (19%)

Black (60%)



Cyan (71%)

Magenta (60%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.3132, 11.8209, 9.9744 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 9.3132, 11.8209, 9.9744 by changing the saturation by 10% instead.

9.3132, 11.8209,
9.9744

9.3132, 11.8209,
9.9744

179.8555,
203.2160, 200.9674

5.0048, 6.6218,
5.2766

24.1570, 29.1685,
26.3544

2.2848, 3.2268,
2.3489

35.4231, 42.0858,
38.8737

0.7869, 1.2512,
0.7584

49.7391, 58.3447,
54.8372

0.0000, 0.1030,
0.0000

67.4704, 78.3295,
74.6635

0.0000, 0.0000,
0.0000

88.9823, 102.4246,
98.7712

114.6402,

131.0145, 127.5787

144.8095,
164.4835, 161.5046

■ 9.3132, 11.8209,
9.9744

■ 9.3132, 11.8209,
9.9744

■ 8.3028, 11.3314,
8.5223

■ 10.4849, 12.3907,
11.5920

■ 7.4455, 10.9172,
7.2296

■ 11.8236, 13.0427,
13.3793

■ 6.7339, 10.5748,
6.0911

■ 13.3361, 13.7805,
15.3412

■ 6.1594, 10.3000,
5.1010

■ 15.0284, 14.6072,
17.4825

■ 5.7128, 10.0880,
4.2531

■ 16.9061, 15.5257,
19.8074

■ 5.3833, 9.9336,
3.5407

■ 18.9747, 16.5387,
22.3204

■ 5.1407, 9.8213,
2.9559

■ 21.2396, 17.6487,
25.0254

■ 5.0776, 9.7918,
2.8128

■ 23.7056, 18.8584,
27.9264

■ 26.3778, 20.1700,
31.0275

Harmonies

Analogous

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



10.0585, 11.8209, 8.0068



9.3132, 11.8209, 9.9744



9.0723, 11.8209, 13.0740

Triad

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



9.3132, 11.8209, 9.9744



11.3061, 11.8209, 20.7204



13.3263, 11.8209, 9.6822

Complementary

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



9.3132, 11.8209, 9.9744



10.1755, 8.7421, 11.9780

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.



13.7177, 11.8209, 12.6701



9.3132, 11.8209, 9.9744



12.5007, 11.8209, 19.3891

Square

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



9.3132, 11.8209, 9.9744



10.1724, 11.8209, 19.6557



13.4054, 11.8209, 16.2801



12.3701, 11.8209, 7.8605

Rectangle

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



9.3132, 11.8209, 9.9744



9.2152, 11.8209, 15.4925



13.4054, 11.8209, 16.2801



13.5312, 11.8209, 10.5632

Sweetspot

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



9.3135, 11.8214, 9.9747



20.9047, 23.2236, 23.6058



10.8469, 12.6456, 8.5258



5.0268, 5.6302, 5.6622



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.



9.3135, 11.8214, 9.9747



15.4180, 20.5564, 16.0644



9.9068, 12.0587, 13.0989



2.8264, 3.1543, 3.1871



6.3738, 12.3131, 3.4639



32.9074, 64.0855, 16.3006

Inverse Universe

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



10.1755, 8.7421, 11.9780



17.2567, 13.9842, 20.3346



9.5976, 8.5110, 8.9348



2.9042, 2.8764, 3.3683



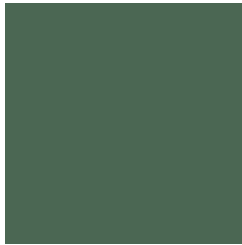
8.5590, 4.2366, 8.3421



44.2501, 21.9400, 41.4558

Previews

White Background



This preview shows how the XYZ color 9.3132, 11.8209, 9.9744 looks on a white background.

Color Contrast Check

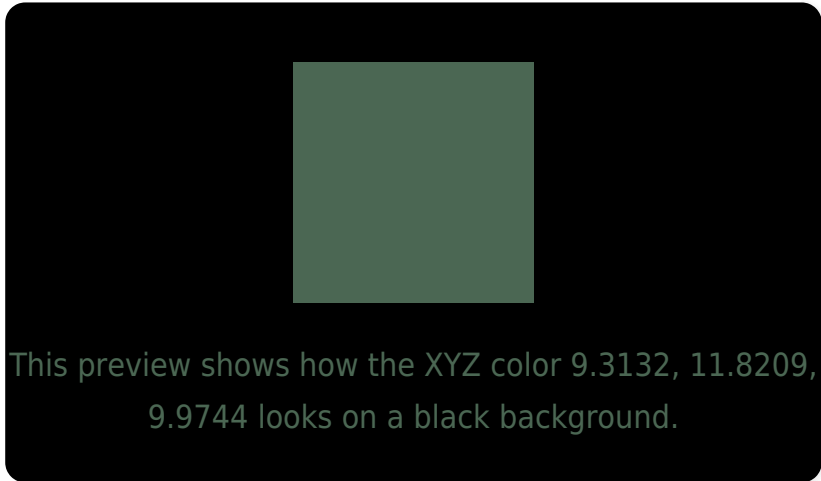
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.3132, 11.8209, 9.9744

Background



This preview shows how black text looks on a background with the XYZ color 9.3132, 11.8209, 9.9744.



This preview shows how white text looks on a background with the XYZ color 9.3132, 11.8209,

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

9.3132, 11.8209, 9.9744

Protanopia

11.1103, 11.7697, 9.2756

Deuteranopia

11.9845, 11.7996, 10.2402



Tritanopia

10.5722, 11.9025, 15.9276

Trichromacy



Original Color

9.3132, 11.8209, 9.9744

Protanomaly

10.3607, 11.7931, 9.5148

Deuteranomaly

10.8047, 11.7309, 10.0823

Tritanomaly

10.0477, 11.8279, 13.5578

Monochromacy



Original Color

9.3132, 11.8209, 9.9744

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.8238, 11.0654, 11.0693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3132, 11.8209, 9.9744 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(75, 103, 83)` looks like.

```
.text, #text, p{  
    color:rgb(75, 103, 83)  
}
```

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(75, 103, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 103, 83) }
```

Border

The CSS property to change the border of an element to XYZ 9.3132, 11.8209, 9.9744 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(75, 103, 83) }
```


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

```
.border{ border-color:rgb(75, 103, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 103, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 103, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 103, 83);  
box-shadow:4px 4px 4px 4px rgb(75, 103,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 9.3132, 11.8209, 9.9744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 103, 83) }
```

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

```
.background{ background-color: rgb(75, 103,  
83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor