

Converting Colors

XYZ(12.1918, 15.3050, 12.8235)

Have a look what the booklet for
XYZ(12.1918, 15.3050, 12.8235)
contains.

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Color

**XYZ(12.1963, 15.3252,
12.9049)**

Conversions

Conversions Part 1

Format	Color
Hex	57745E
RGB	87, 116, 94
RGB Percent	34%, 45%, 37%
CMY	0.6588, 0.5451, 0.6314
CMYK	0.25, 0.00, 0.19, 0.55
HSL	134°, 14%, 40%
HSV	134°, 25%, 45%
XYZ	12.1963, 15.3252, 12.9049
YIQ	104.8210, -10.2220, -12.9900

Conversions

Conversions Part 2

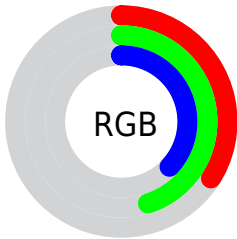
Format	Color
RYB	87, 110, 116
Decimal	5731422
CIELab	46.08, -15.38, 8.79
CIELCh	46, 17.711, 150.256
Yxy	15.3252, 0.3017, 0.3791
Android (android.graphics.Color)	4283921502 (0xFF57745E)
YUV	104.8210, -5.3348, -15.6290
Hunter-Lab	39.1474, -12.8966, 7.8583

Details

The XYZ color **12.1963, 15.3252, 12.9049** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3716, 11.6340, 16.0097**, and the grayscale version is **13.3952, 14.0927, 15.3470**.

A 20% lighter version of the original color is **29.3532, 35.3372, 31.6592**, and **3.5151, 4.8191, 3.5412** is the 20% darker color. If you saturate the color by 10%, you get **10.8265, 14.6625, 10.8957**, and if you desaturate by 10%, it is **13.7861, 16.0969, 15.1602**.

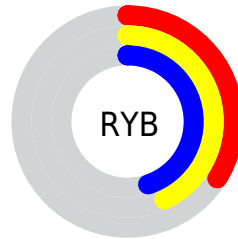
Distribution



Red (34%)

Green (45%)

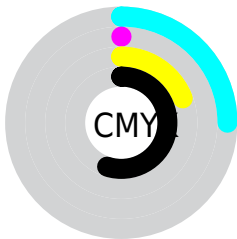
Blue (37%)



Red (34%)

Yellow (43%)

Blue (45%)

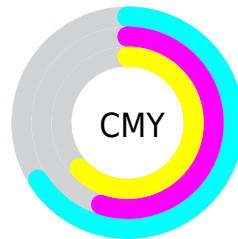


Cyan (25%)

Magenta (0%)

Yellow (19%)

Black (55%)



Cyan (66%)

Magenta (55%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1963, 15.3252, 12.9049 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 12.1963, 15.3252, 12.9049 by changing the saturation by 10% instead.

■ 12.1963, 15.3252,
12.9049

■ 12.1963, 15.3252,
12.9049

199.4440,
225.3262, 221.4937

■ 6.9507, 9.0479,
7.2331

■ 29.4659, 35.4227,
31.8215

■ 3.4773, 4.7725,
3.5277

■ 42.2205, 50.0117,
45.9034

■ 1.4109, 2.1144,
1.3700

■ 58.2089, 68.1400,
63.6258

■ 0.2640, 0.6727,
0.1181

■ 77.7964, 90.1922,
85.4072

■ 0.0000, 0.0000,
0.0000

■ 101.3483,
116.5525, 111.6662

129.2299,

147.6053, 142.8212

161.8067,
183.7351, 179.2908

■ 12.1963, 15.3252,
12.9049

■ 12.1963, 15.3252,
12.9049

■ 10.8265, 14.6625,
10.8957

■ 13.7861, 16.0969,
15.1602

■ 9.6656, 14.1021,
9.1232

■ 15.6037, 16.9803,
17.6684

■ 8.7034, 13.6393,
7.5789

■ 17.6584, 17.9804,
20.4375

■ 7.9285, 13.2683,
6.2536

■ 19.9582, 19.1011,
23.4746

■ 7.3281, 12.9829,
5.1372

■ 22.5109, 20.3464,
26.7868

■ 6.8878, 12.7757,
4.2189

■ 25.3240, 21.7200,
30.3808

■ 6.5844, 12.6353,
3.4868

■ 28.4047, 23.2254,
34.2630

■ 6.4553, 12.5752,
3.1855

■ 31.7598, 24.8661,
38.4396

■ 35.3959, 26.6452,
42.9168

Harmonies

Analogous

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



13.1568, 15.3252, 10.5051



12.1963, 15.3252, 12.9049



11.8609, 15.3252, 16.7236

Triad

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



12.1963, 15.3252, 12.9049



14.5791, 15.3252, 26.4167



17.2102, 15.3252, 12.8509

Complementary

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



12.1963, 15.3252, 12.9049



13.3716, 11.6340, 16.0097

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.



17.6543, 15.3252, 16.6495



12.1963, 15.3252, 12.9049



16.0727, 15.3252, 24.9135

Square

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



12.1963, 15.3252, 12.9049



13.1777, 15.3252, 24.9619



17.2247, 15.3252, 21.1430



16.0488, 15.3252, 10.4780

Rectangle

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



12.1963, 15.3252, 12.9049



12.0176, 15.3252, 19.7220



17.2247, 15.3252, 21.1430



17.4517, 15.3252, 13.9797

Sweetspot

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



12.1967, 15.3258, 12.9052



26.3597, 29.3278, 29.5954



14.3017, 16.4457, 11.4377



6.1902, 6.9488, 6.9253



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.



12.1967, 15.3258, 12.9052



20.0056, 26.2448, 20.5980



12.8974, 15.6061, 16.5950



3.6735, 4.1114, 4.1147



7.2373, 14.1089, 3.5397



34.9785, 68.6387, 15.7237

Inverse Universe

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



13.3716, 11.6340, 16.0097



22.4453, 18.5746, 27.0421



12.6646, 11.3512, 12.2869



3.7907, 3.7435, 4.4244



10.0523, 4.9546, 10.7495



48.6375, 24.0051, 50.5479

Previews

White Background



This preview shows how the XYZ color 12.1963, 15.3252, 12.9049 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 12.1963, 15.3252, 12.9049 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

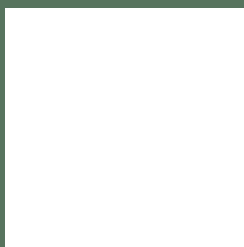
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1963, 15.3252, 12.9049

Background



This preview shows how black text looks on a background with the XYZ color 12.1963, 15.3252, 12.9049.



This preview shows how white text looks on a background with the XYZ color 12.1963, 15.3252,

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

12.1963, 15.3252, 12.9049

Protanopia

14.3843, 15.3203, 11.8718

Deuteranopia

15.4751, 15.2328, 13.1909



Tritanopia

13.6590, 15.2441, 20.3117

Trichromacy



Original Color

12.1963, 15.3252, 12.9049

Protanomaly

13.5082, 15.3469, 12.1478

Deuteranomaly

14.0897, 15.1430, 13.0068

Tritanomaly

12.9908, 15.1316, 17.2749

Monochromacy



Original Color

12.1963, 15.3252, 12.9049

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8546, 14.4735, 14.4281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1963, 15.3252, 12.9049 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(87, 116, 94) looks like.

```
.text, #text, p{  
    color:rgb(87, 116, 94)  
}
```

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(87, 116, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 116, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.1963, 15.3252, 12.9049 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(87, 116, 94) }
```


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

```
.border{ border-color:rgb(87, 116, 94) }
```

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

Here you see how a box with a 4 pixel rgb(87, 116, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 116, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 116, 94);  
box-shadow:4px 4px 4px 4px rgb(87, 116,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1963, 15.3252, 12.9049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 116, 94) }
```

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

```
.background{ background-color: rgb(87, 116,  
94) }
```

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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