

Converting Colors

XYZ(11.7493, 12.5887, 12.4830)

Have a look what the booklet for
XYZ(11.7493, 12.5887, 12.4830)
contains.

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Color

**XYZ(11.7231, 12.5751,
12.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	63645E
RGB	99, 100, 94
RGB Percent	39%, 39%, 37%
CMY	0.6118, 0.6078, 0.6314
CMYK	0.01, 0.00, 0.06, 0.61
HSL	70°, 3%, 38%
HSV	70°, 6%, 39%
XYZ	11.7231, 12.5751, 12.3990
YIQ	99.0170, 1.3300, -2.0780

Conversions

Conversions Part 2

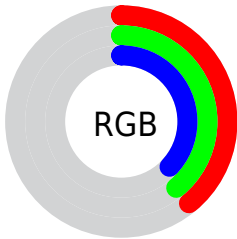
Format	Color
R_{YB}	94, 100, 95
Decimal	6513758
CIE _{Lab}	42.12, -1.61, 3.26
CIE _{LCh}	42, 3.636, 116.306
Yxy	12.5751, 0.3195, 0.3427
Android (android.graphics.Color)	4284703838 (0xFF63645E)
YUV	99.0170, -2.4734, -0.0149
Hunter-Lab	35.4614, -3.0475, 4.0923

Details

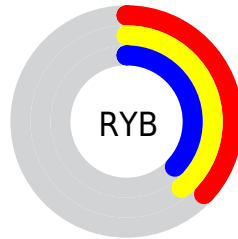
The XYZ color **11.7231, 12.5751, 12.3990** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.0227, 11.3587, 13.6687**, and the grayscale version is **11.8700, 12.4882, 13.5997**.

A 20% lighter version of the original color is **28.6783, 30.6309, 30.7864**, and **3.2748, 3.5165, 3.3025** is the 20% darker color. If you saturate the color by 10%, you get **11.1227, 12.3145, 10.1783**, and if you desaturate by 10%, it is **12.3861, 12.8620, 14.9267**.

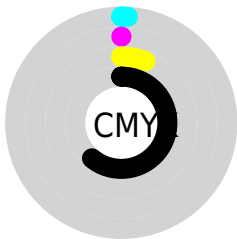
Distribution



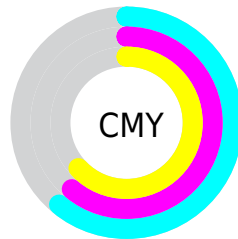
- Red (39%)
- Green (39%)
- Blue (37%)



- Red (37%)
- Yellow (39%)
- Blue (37%)



- Cyan (1%)
- Magenta (0%)
- Yellow (6%)
- Black (61%)



- Cyan (61%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7231, 12.5751, 12.3990 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 11.7231, 12.5751, 12.3990 by changing the saturation by 10% instead.

■ 11.7231, 12.5751,
12.3990

■ 11.7231, 12.5751,
12.3990

196.3710,
208.1763, 218.1000

■ 6.6263, 7.1366,
6.8902

■ 28.6110, 30.5383,
30.8949

■ 3.2737, 3.5477,
3.3161

■ 41.1328, 43.8318,
44.7192

■ 1.3001, 1.4239,
1.2582

■ 56.8604, 60.5124,
62.1523

■ 0.1833, 0.2342,
0.0272

■ 76.1589, 80.9646,
83.6128

■ 0.0000, 0.0000,
0.0000

99.3939, 105.5726,
109.5193

126.9307,

134.7210, 140.2903

159.1346,
168.7941, 176.3444

■ 11.7231, 12.5751,
12.3990

■ 11.7231, 12.5751,
12.3990

■ 11.1227, 12.3145,
10.1783

■ 12.3861, 12.8620,
14.9267

■ 10.5817, 12.0777,
8.2521

■ 13.1128, 13.1744,
17.7717

■ 10.0981, 11.8642,
6.6083

■ 13.9056, 13.5137,
20.9447

■ 9.6691, 11.6731,
5.2335

■ 14.7663, 13.8806,
24.4558

■ 9.2922, 11.5032,
4.1134

■ 15.6969, 14.2759,
28.3145

■ 8.9643, 11.3533,
3.2322

■ 16.6992, 14.7003,
32.5301

■ 8.6821, 11.2221,
2.5726

■ 17.7747, 15.1545,
37.1113

■ 8.4417, 11.1081,
2.1146

■ 18.9252, 15.6391,
42.0669

■ 8.2332, 11.0072,
1.8055

■ 20.1523, 16.1548,
47.4050

Harmonies

Analogous

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



11.9858, 12.5751, 12.2580



11.7231, 12.5751, 12.3990



11.5245, 12.5751, 12.8818

Triad

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



11.7231, 12.5751, 12.3990



11.6659, 12.5751, 14.9701



12.4792, 12.5751, 13.7884

Complementary

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



11.7231, 12.5751, 12.3990



11.0227, 11.3587, 13.6687

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.



12.3905, 12.5751, 14.5358



11.7231, 12.5751, 12.3990



11.9188, 12.5751, 15.2340

Square

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



11.7231, 12.5751, 12.3990



11.4918, 12.5751, 14.3633



12.1844, 12.5751, 15.0722



12.4249, 12.5751, 13.0422

Rectangle

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



11.7231, 12.5751, 12.3990



11.4537, 12.5751, 13.3423



12.1844, 12.5751, 15.0722



12.4651, 12.5751, 14.0480

Sweetspot

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



11.7234, 12.5756, 12.3993



20.9965, 22.2381, 23.4182



11.3685, 11.7022, 12.2494



5.1712, 5.4739, 5.7811



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.7234, 12.5756, 12.3993



20.4192, 21.9881, 21.2399



11.4018, 12.4098, 12.3842



3.0265, 3.2585, 3.1503



10.8833, 14.6693, 2.2578



56.1312, 76.1827, 11.7463

Inverse Universe

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



11.0227, 11.3587, 13.6687



18.9557, 19.4465, 23.8912



11.3403, 11.5224, 13.6836



2.8111, 2.8844, 3.5405



3.3518, 1.3721, 16.2325



16.9570, 6.8859, 84.6368

Previews

White Background



This preview shows how the XYZ color 11.7231, 12.5751, 12.3990 looks on a white background.

Color Contrast Check

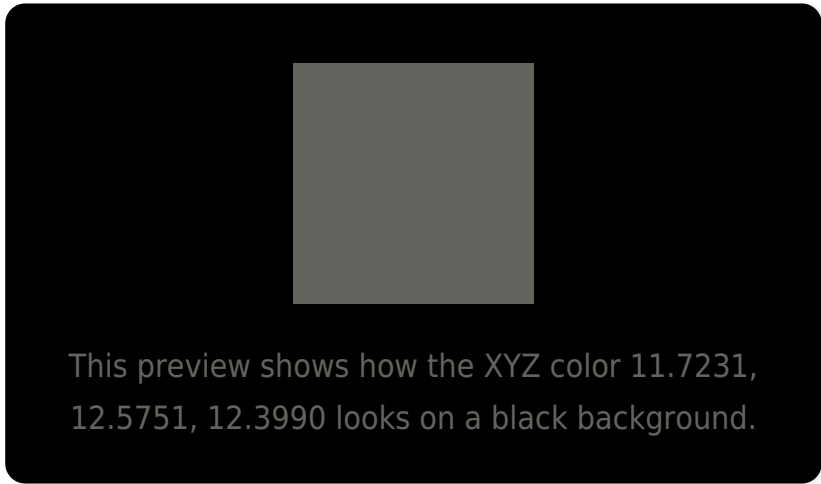
Large Text (above 18pt) WCAG AA ✓ Pass

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

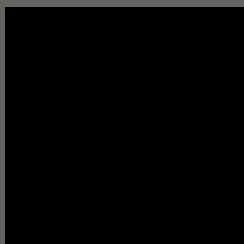
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

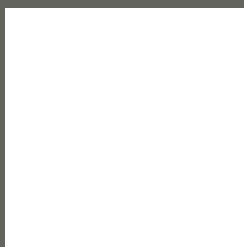
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7231, 12.5751, 12.3990

Background



This preview shows how black text looks on a background with the XYZ color 11.7231, 12.5751, 12.3990.



This preview shows how white text looks on a background with the XYZ color 11.7231, 12.5751,

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

11.7231, 12.5751, 12.3990

Protanopia

11.9171, 12.5388, 12.1481

Deuteranopia

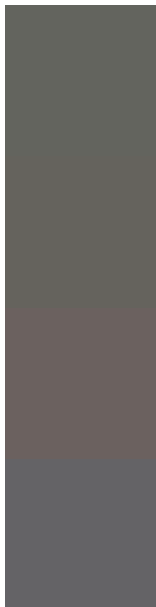
12.8040, 12.5715, 12.5782



Tritanopia

12.3360, 12.5427, 15.4065

Trichromacy



Original Color

11.7231, 12.5751, 12.3990

Protanomaly

11.8045, 12.4807, 12.1428

Deuteranomaly

12.4037, 12.5014, 12.5857

Tritanomaly

12.1156, 12.5923, 14.3624

Monochromacy



Original Color

11.7231, 12.5751, 12.3990

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7651, 12.4394, 13.0902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7231, 12.5751, 12.3990 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(99, 100, 94) looks like.

```
.text, #text, p{  
    color:rgb(99, 100, 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(99, 100, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 100, 94) }
```

Border

The CSS property to change the border of an element to XYZ 11.7231, 12.5751, 12.3990 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(99, 100, 94) }
```


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

```
.border{ border-color:rgb(99, 100, 94) }
```

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

Here you see how a box with a 4 pixel rgb(99, 100, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 100, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 100, 94);  
box-shadow:4px 4px 4px 4px rgb(99, 100,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7231, 12.5751, 12.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 100, 94) }
```

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

```
.background{ background-color: rgb(99, 100,  
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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