

Converting Colors

XYZ(11.7028, 12.6465, 12.2504)

Have a look what the booklet for
XYZ(11.7028, 12.6465, 12.2504)
contains.

XYZ(11.7751, 12.7503, 12.1964)	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(11.7751, 12.7503,
12.1964)**

Conversions

Conversions Part 1

Format	Color
Hex	63655D
RGB	99, 101, 93
RGB Percent	39%, 40%, 36%
CMY	0.6118, 0.6039, 0.6353
CMYK	0.02, 0.00, 0.08, 0.60
HSL	75°, 4%, 38%
HSV	75°, 8%, 40%
XYZ	11.7751, 12.7503, 12.1964
YIQ	99.4900, 1.3760, -2.9120

Conversions

Conversions Part 2

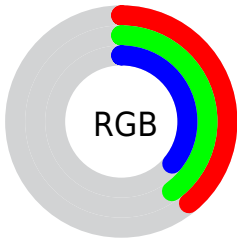
Format	Color
RYB	93, 101, 95
Decimal	6514013
CIELab	42.38, -2.40, 4.25
CIElCh	42, 4.885, 119.452
Yxy	12.7503, 0.3207, 0.3472
Android (android.graphics.Color)	4284704093 (0xFF63655D)
YUV	99.4900, -3.1996, -0.4297
Hunter-Lab	35.7076, -3.6252, 4.7440

Details

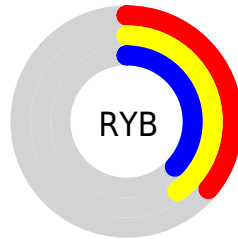
The XYZ color **11.7751, 12.7503, 12.1964** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.9830, 11.2015, 13.8957**, and the grayscale version is **11.9914, 12.6159, 13.7387**.

A 20% lighter version of the original color is **28.7638, 30.9237, 30.4394**, and **3.3005, 3.6005, 3.2103** is the 20% darker color. If you saturate the color by 10%, you get **11.0854, 12.4435, 9.9811**, and if you desaturate by 10%, it is **12.5332, 13.0863, 14.7240**.

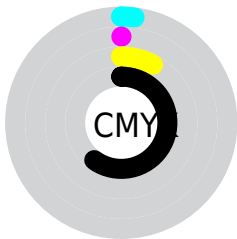
Distribution



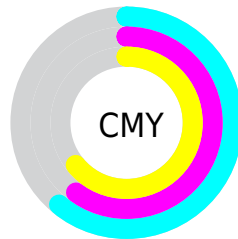
- Red (39%)
- Green (40%)
- Blue (36%)



- Red (36%)
- Yellow (40%)
- Blue (37%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (60%)



- Cyan (61%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7751, 12.7503, 12.1964 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 11.7751, 12.7503, 12.1964 by changing the saturation by 10% instead.

■ 11.7751, 12.7503,
12.1964

■ 11.7751, 12.7503,
12.1964

196.7111,
209.3111, 216.7251

■ 6.6618, 7.2568,
6.7534

■ 28.7053, 30.8545,
30.5220

■ 3.2960, 3.6232,
3.2323

■ 41.2529, 44.2339,
44.2418

■ 1.3121, 1.4651,
1.2144

■ 57.0093, 61.0108,
61.5575

■ 0.1923, 0.2640,
0.0000

■ 76.3399, 81.5696,
82.8878

■ 0.0000, 0.0000,
0.0000

99.6100, 106.2946,
108.6511

127.1850,

135.5703, 139.2661

159.4303,
169.7810, 175.1512

■ 11.7751, 12.7503,
12.1964

■ 11.7751, 12.7503,
12.1964

■ 11.0854, 12.4435,
9.9811

■ 12.5332, 13.0863,
14.7240

■ 10.4608, 12.1632,
8.0651

■ 13.3610, 13.4508,
17.5744

■ 9.8990, 11.9091,
6.4358

■ 14.2609, 13.8452,
20.7588

■ 9.3973, 11.6799,
5.0793

■ 15.2350, 14.2703,
24.2876

■ 8.9528, 11.4747,
3.9807

■ 16.2852, 14.7268,
28.1707

■ 8.5624, 11.2920,
3.1234

■ 17.4135, 15.2156,
32.4176

■ 8.2224, 11.1304,
2.4893

■ 18.6215, 15.7374,
37.0375

■ 7.9288, 10.9883,
2.0573

■ 19.9112, 16.2929,
42.0391

■ 7.6672, 10.8599,
1.7523

■ 21.2841, 16.8827,
47.4310

Harmonies

Analogous

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



12.1255, 12.7503, 11.9585



11.7751, 12.7503, 12.1964



11.5211, 12.7503, 12.8808

Triad

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



11.7751, 12.7503, 12.1964



11.7636, 12.7503, 15.6972



12.8382, 12.7503, 13.9022

Complementary

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



11.7751, 12.7503, 12.1964



10.9830, 11.2015, 13.8957

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.



12.7367, 12.7503, 14.9356



11.7751, 12.7503, 12.1964



12.1120, 12.7503, 16.0035

Square

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



11.7751, 12.7503, 12.1964



11.5146, 12.7503, 14.9005



12.4691, 12.7503, 15.7181



12.7437, 12.7503, 12.9127

Rectangle

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



11.7751, 12.7503, 12.1964



11.4382, 12.7503, 13.5162



12.4691, 12.7503, 15.7181



12.8259, 12.7503, 14.2562

Sweetspot

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



11.7755, 12.7509, 12.1967



20.9635, 22.2211, 23.4166



11.4352, 11.7418, 12.0198



5.1638, 5.4701, 5.7807



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.



11.7755, 12.7509, 12.1967



19.9251, 21.7605, 19.9935



11.3492, 12.5311, 12.1767



2.9768, 3.2353, 3.0420



9.9448, 14.1854, 2.2139



51.0390, 73.5575, 11.5080

Inverse Universe

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



10.9830, 11.2015, 13.8957



18.1862, 18.3605, 23.7221



11.4093, 11.4213, 13.9157



2.7510, 2.7937, 3.5262



3.5783, 1.4889, 16.2431



17.9636, 7.4048, 84.6839

Previews

White Background



This preview shows how the XYZ color 11.7751, 12.7503, 12.1964 looks on a white background.

Color Contrast Check

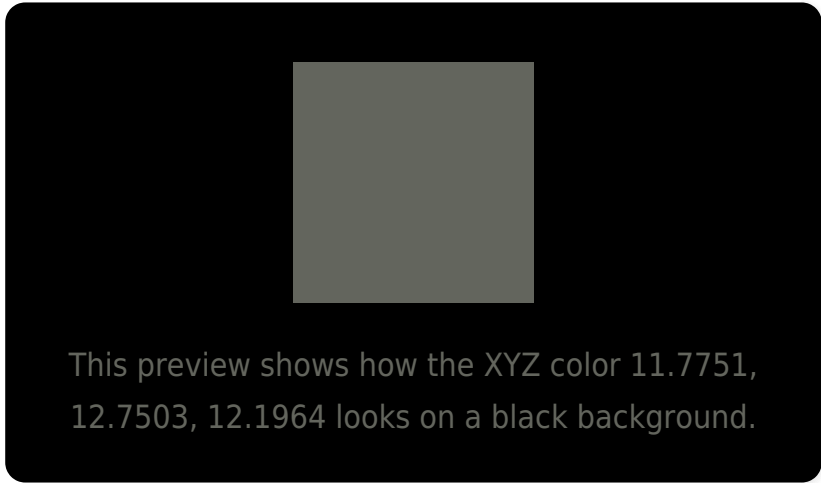
Large Text (above 18pt) WCAG AA ✓ Pass

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

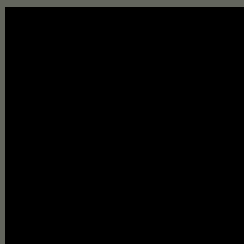
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

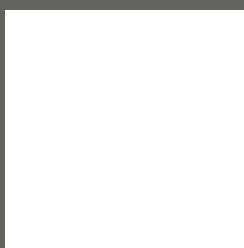
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.7751, 12.7503, 12.1964

Background



This preview shows how black text looks on a background with the XYZ color 11.7751, 12.7503, 12.1964.



This preview shows how white text looks on a background with the XYZ color 11.7751, 12.7503,

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

11.7751, 12.7503, 12.1964

Protanopia

12.1979, 12.8301, 11.9588

Deuteranopia

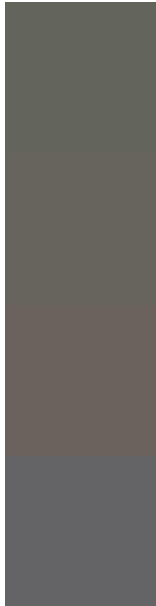
12.9772, 12.8023, 12.3768



Tritanopia

12.4825, 12.7519, 15.7134

Trichromacy



Original Color

11.7751, 12.7503, 12.1964

Protanomaly

11.9684, 12.7118, 11.9480

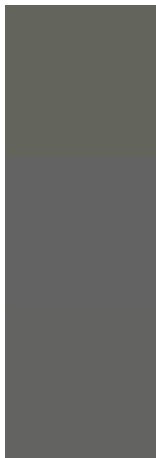
Deuteranomaly

12.4515, 12.6693, 12.3788

Tritanomaly

12.2110, 12.7830, 14.3941

Monochromacy



Original Color

11.7751, 12.7503, 12.1964

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.8604, 12.6301, 13.1220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7751, 12.7503, 12.1964 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, 101, 93) looks like.

```
.text, #text, p{  
    color:rgb(99, 101, 93)  
}
```

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, 101, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 101, 93) }
```

Border

The CSS property to change the border of an element to XYZ 11.7751, 12.7503, 12.1964 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, 101, 93) }
```


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

```
.border{ border-color:rgb(99, 101, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 101, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 101, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 101, 93);  
box-shadow:4px 4px 4px 4px rgb(99, 101,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7751, 12.7503, 12.1964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 101, 93) }
```

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

```
.background{ background-color: rgb(99, 101,  
93) }
```

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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