

Converting Colors

XYZ(11.8422, 11.7651, 13.7930)

Have a look what the booklet for
XYZ(11.8422, 11.7651, 13.7930)
contains.

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Color

**XYZ(11.7824, 11.7503,
13.7036)**

Conversions

Conversions Part 1

Format	Color
Hex	665E64
RGB	102, 94, 100
RGB Percent	40%, 37%, 39%
CMY	0.6000, 0.6314, 0.6078
CMYK	0.00, 0.08, 0.02, 0.60
HSL	315°, 4%, 38%
HSV	315°, 8%, 40%
XYZ	11.7824, 11.7503, 13.7036
YIQ	97.0760, 2.8420, 3.5620

Conversions

Conversions Part 2

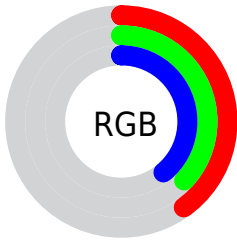
Format	Color
R_{YB}	102, 94, 100
Decimal	6708836
CIE Lab	40.82, 4.41, -2.27
CIE LCh	41, 4.958, 332.774
Yxy	11.7503, 0.3164, 0.3156
Android (android.graphics.Color)	4284898916 (0xFF665E64)
YUV	97.0760, 1.4415, 4.3183
Hunter-Lab	34.2787, 1.3669, 0.2927

Details

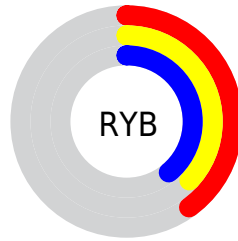
The XYZ color **11.7824, 11.7503, 13.7036** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4792, 12.7272, 12.9185**, and the grayscale version is **11.3773, 11.9698, 13.0351**.

A 20% lighter version of the original color is **28.6960, 28.9532, 33.3542**, and **3.2751, 3.1832, 3.8100** is the 20% darker color. If you saturate the color by 10%, you get **10.8133, 10.0064, 12.7812**, and if you desaturate by 10%, it is **12.8760, 13.7366, 14.6869**.

Distribution



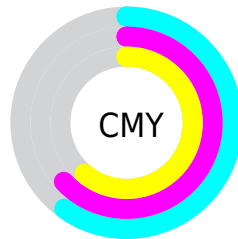
- Red (40%)
- Green (37%)
- Blue (39%)



- Red (40%)
- Yellow (37%)
- Blue (39%)



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



- Cyan (60%)
- Magenta (63%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7824, 11.7503, 13.7036 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 11.7824, 11.7503, 13.7036 by changing the saturation by 10% instead.

■ 11.7824, 11.7503,
13.7036

■ 11.7824, 11.7503,
13.7036

196.7588,
202.7451, 226.7430

■ 6.6668, 6.5739,
7.7784

■ 28.7185, 29.0395,
33.2717

■ 3.2991, 3.1971,
3.8678

■ 41.2697, 41.9211,
47.7517

■ 1.3138, 1.2355,
1.5531

■ 57.0302, 58.1398,
65.9204

■ 0.1935, 0.0904,
0.2570

■ 76.3652, 78.0802,
88.1963

■ 0.0000, 0.0000,
0.0000

99.6403, 102.1265,
114.9980

127.2207,

130.6631, 146.7439

159.4717,
164.0746, 183.8528

■ 11.7824, 11.7503,
13.7036

■ 11.7824, 11.7503,
13.7036

■ 10.8133, 10.0064,
12.7812

■ 12.8760, 13.7366,
14.6869

■ 9.9629, 8.4939,
11.9170

■ 14.0974, 15.9725,
15.7319

■ 9.2265, 7.2034,
11.1097

■ 15.4512, 18.4670,
16.8404

■ 8.5988, 6.1243,
10.3571

■ 16.9415, 21.2280,
18.0140

■ 8.0740, 5.2449,
9.6571

■ 18.5720, 24.2631,
19.2541

7.6457, 4.5527,
9.0075

20.3466, 27.5799,
20.5621

7.3067, 4.0334,
8.4057

22.2687, 31.1851,
21.9393

7.0491, 3.6709,
7.8488

24.3418, 35.0858,
23.3871

6.8447, 3.4091,
7.3273

26.5691, 39.2885,
24.9066

Harmonies

Analogous

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



11.5395, 11.7503, 14.4980



11.7824, 11.7503, 13.7036



11.8596, 11.7503, 12.7003

Triad

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



11.7824, 11.7503, 13.7036



11.1355, 11.7503, 10.9501



10.6076, 11.7503, 13.8748

Complementary

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



11.7824, 11.7503, 13.7036



11.4792, 12.7272, 12.9185

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.



10.5044, 11.7503, 12.8883



11.7824, 11.7503, 13.7036



10.8051, 11.7503, 11.2292

Square

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



11.7824, 11.7503, 13.7036



11.4815, 11.7503, 11.1432



10.5759, 11.7503, 11.9257



10.8608, 11.7503, 14.6004

Rectangle

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



11.7824, 11.7503, 13.7036



11.8055, 11.7503, 12.0567



10.5759, 11.7503, 11.9257



10.5545, 11.7503, 13.5609

Sweetspot

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



11.7827, 11.7508, 13.7039



21.7461, 22.5697, 25.0174



11.2253, 11.4521, 14.1893



5.1383, 5.3393, 5.9092



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.



11.7827, 11.7508, 13.7039



20.4102, 20.1492, 23.7977



11.5939, 11.6753, 12.7093



2.9081, 2.8779, 3.3888



8.7195, 4.3008, 9.1872



45.1143, 22.2857, 46.0069

Inverse Universe

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



11.7827, 11.7508, 13.7039



20.4102, 20.1492, 23.7977



11.6681, 12.8027, 13.9130



2.9081, 2.8779, 3.3888



8.7195, 4.3008, 9.1872



45.1143, 22.2857, 46.0069

Previews

White Background



This preview shows how the XYZ color 11.7824, 11.7503, 13.7036 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 11.7824, 11.7503, 13.7036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

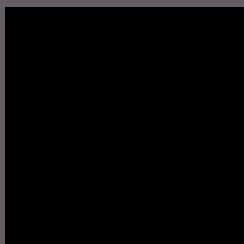
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7824, 11.7503, 13.7036

Background



This preview shows how black text looks on a background with the XYZ color 11.7824, 11.7503, 13.7036.



This preview shows how white text looks on a background with the XYZ color 11.7824, 11.7503,

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

11.7824, 11.7503, 13.7036

Protanopia

11.4616, 11.8467, 13.9945

Deuteranopia

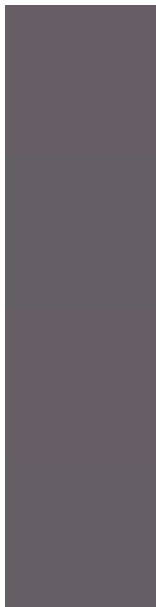
11.9235, 11.6919, 13.6849



Tritanopia

11.8312, 11.7698, 13.9601

Trichromacy



Original Color

11.7824, 11.7503, 13.7036

Protanomaly

11.5868, 11.7767, 13.9744

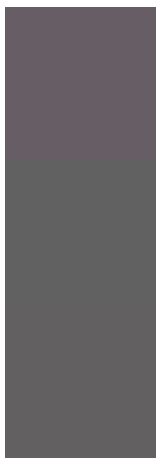
Deuteranomaly

11.8081, 11.6324, 13.6795

Tritanomaly

11.8312, 11.7698, 13.9601

Monochromacy



Original Color

11.7824, 11.7503, 13.7036

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.5331, 11.9002, 13.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7824, 11.7503, 13.7036 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(102, 94, 100)` looks like.

```
.text, #text, p{  
    color:rgb(102, 94, 100)  
}
```

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(102, 94, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 94, 100) }
```

Border

The CSS property to change the border of an element to XYZ 11.7824, 11.7503, 13.7036 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(102, 94, 100) }
```


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

```
.border{ border-color:rgb(102, 94, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 94, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 94, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 94, 100); box-shadow:4px 4px 4px 4px rgb(102, 94, 100) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7824, 11.7503, 13.7036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 94, 100) }
```

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

```
.background{ background-color: rgb(102, 94,  
100) }
```

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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