

Converting Colors

XYZ(11.7825, 13.7480, 8.6838)

Have a look what the booklet for
XYZ(11.7825, 13.7480, 8.6838)
contains.

XYZ(11.7832, 13.7327, 8.6862)	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(11.7832, 13.7327,
8.6862)**

Conversions

Conversions Part 1

Format	Color
Hex	646B4B
RGB	100, 107, 75
RGB Percent	39%, 42%, 29%
CMY	0.6078, 0.5804, 0.7059
CMYK	0.07, 0.00, 0.30, 0.58
HSL	73°, 18%, 36%
HSV	73°, 30%, 42%
XYZ	11.7832, 13.7327, 8.6862
YIQ	101.2590, 6.1000, -11.4360

Conversions

Conversions Part 2

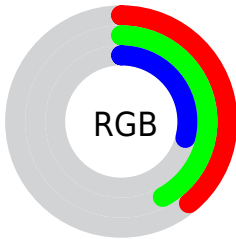
Format	Color
R_{YB}	75, 107, 82
Decimal	6581067
CIE _{Lab}	43.85, -8.65, 17.09
CIE _{LCh}	44, 19.152, 116.845
Yxy	13.7327, 0.3445, 0.4015
Android (android.graphics.Color)	4284771147 (0xFF646B4B)
YUV	101.2590, -12.9457, -1.1041
Hunter-Lab	37.0577, -8.0934, 12.0430

Details

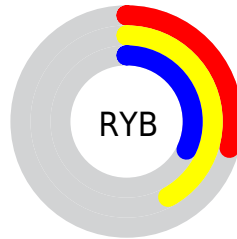
The XYZ color **11.7832, 13.7327, 8.6862** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6501, 7.8879, 14.9773**, and the grayscale version is **12.4682, 13.1175, 14.2850**.

A 20% lighter version of the original color is **28.6274, 32.4883, 23.8308**, and **3.3314, 4.0875, 1.9097** is the 20% darker color. If you saturate the color by 10%, you get **11.1922, 13.4673, 6.9050**, and if you desaturate by 10%, it is **12.4440, 14.0278, 10.7929**.

Distribution



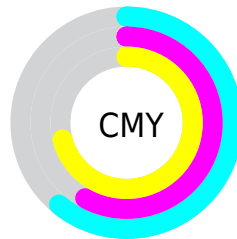
- Red (39%)
- Green (42%)
- Blue (29%)



- Red (29%)
- Yellow (42%)
- Blue (32%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7832, 13.7327, 8.6862 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 11.7832, 13.7327, 8.6862 by changing the saturation by 10% instead.

■ 11.7832, 13.7327,
8.6862

■ 11.7832, 13.7327,
8.6862

196.7641,
215.5615, 191.1505

■ 6.6674, 7.9350,
4.4431

■ 28.7199, 32.6140,
23.8611

■ 3.2994, 4.0534,
1.8714

■ 41.2715, 46.4664,
35.6299

■ 1.3140, 1.7035,
0.4745

■ 57.0324, 63.7724,
50.7444

■ 0.1937, 0.4259,
0.0000

■ 76.3680, 84.9165,
69.6231

■ 0.0000, 0.0000,
0.0000

■ 99.6436, 110.2831,
92.6845

127.2246,

140.2565, 120.3472

159.4763,
175.2212, 153.0296

■ 11.7832, 13.7327,
8.6862

■ 11.7832, 13.7327,
8.6862

■ 11.1922, 13.4673,
6.9050

■ 12.4440, 14.0278,
10.7929

■ 10.6668, 13.2285,
5.4322

■ 13.1764, 14.3520,
13.2392

■ 10.2039, 13.0155,
4.2503

■ 13.9835, 14.7070,
16.0397

■ 9.7998, 12.8269,
3.3401

■ 14.8680, 15.0937,
19.2076

■ 9.4503, 12.6610,
2.6797

■ 15.8323, 15.5133,
22.7557

■ 9.1505, 12.5158,
2.2441

■ 16.8788, 15.9666,
26.6960

■ 8.8799, 12.3831,
1.9250

■ 18.0096, 16.4546,
31.0400

■ 8.8774, 12.3818,
1.9220

■ 19.2270, 16.9782,
35.7987

■ 20.5330, 17.5381,
40.9828

Harmonies

Analogous

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



13.2132, 13.7327, 8.0847



11.7832, 13.7327, 8.6862



10.7668, 13.7327, 10.8457

Triad

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



11.7832, 13.7327, 8.6862



11.5263, 13.7327, 23.0623



16.1758, 13.7327, 15.4155

Complementary

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



11.7832, 13.7327, 8.6862



8.6501, 7.8879, 14.9773

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.



15.6408, 13.7327, 19.9839



11.7832, 13.7327, 8.6862



12.8932, 13.7327, 24.9018

Square

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



11.7832, 13.7327, 8.6862



10.6267, 13.7327, 19.0364



14.4099, 13.7327, 23.6794



15.8220, 13.7327, 11.4990

Rectangle

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



11.7832, 13.7327, 8.6862



10.4213, 13.7327, 13.1367



14.4099, 13.7327, 23.6794



16.0930, 13.7327, 16.9286

Sweetspot

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



11.7836, 13.7333, 8.6865



23.6832, 25.7377, 24.0134



10.3461, 9.6587, 7.9758



5.6942, 6.2128, 5.6821



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



11.7836, 13.7333, 8.6865



20.3339, 24.2464, 13.2277



10.1903, 12.9119, 8.6119



3.2716, 3.5518, 3.3306



10.7733, 15.0490, 2.3369



54.1364, 76.2904, 11.8722

Inverse Universe

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



8.6501, 7.8879, 14.9773



13.7334, 11.9284, 26.4863



10.2002, 8.6869, 15.0498



3.0047, 3.0541, 3.8660



3.6461, 1.5067, 17.0209



17.9491, 7.3527, 86.6994

Previews

White Background



This preview shows how the XYZ color 11.7832, 13.7327, 8.6862 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 11.7832, 13.7327, 8.6862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

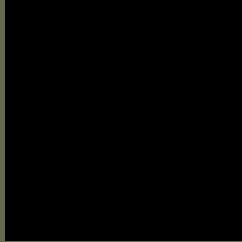
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7832, 13.7327, 8.6862

Background



This preview shows how black text looks on a background with the XYZ color 11.7832, 13.7327, 8.6862.



This preview shows how white text looks on a background with the XYZ color 11.7832, 13.7327,

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

11.7832, 13.7327, 8.6862

Protanopia

12.7349, 13.6263, 8.2623

Deuteranopia

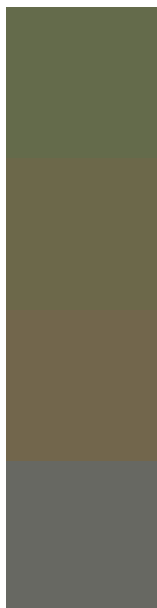
13.8274, 13.5971, 8.9169



Tritanopia

13.4463, 13.6537, 16.9657

Trichromacy



Original Color

11.7832, 13.7327, 8.6862

Protanomaly

12.3707, 13.5832, 8.4484

Deuteranomaly

12.9953, 13.6020, 8.7780

Tritanomaly

12.7484, 13.6660, 13.5212

Monochromacy



Original Color

11.7832, 13.7327, 8.6862

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.1488, 13.2399, 12.0405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7832, 13.7327, 8.6862 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(100, 107, 75)` looks like.

```
.text, #text, p{  
    color:rgb(100, 107, 75)  
}
```

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(100, 107, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 107, 75) }
```

Border

The CSS property to change the border of an element to XYZ 11.7832, 13.7327, 8.6862 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(100, 107, 75) }
```


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

```
.border{ border-color:rgb(100, 107, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 107, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 107, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 107, 75);  
box-shadow:4px 4px 4px 4px rgb(100, 107,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7832, 13.7327, 8.6862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 107, 75) }
```

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

```
.background{ background-color: rgb(100,  
107, 75) }
```

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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