

Converting Colors

XYZ(13.0732, 15.8076, 11.5948)

Have a look what the booklet for
XYZ(13.0732, 15.8076, 11.5948)
contains.

XYZ(13.0438, 15.7920, 11.5932)	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(13.0438, 15.7920,
11.5932)**

Conversions

Conversions Part 1

Format	Color
Hex	627458
RGB	98, 116, 88
RGB Percent	38%, 45%, 35%
CMY	0.6157, 0.5451, 0.6549
CMYK	0.16, 0.00, 0.24, 0.55
HSL	99°, 14%, 40%
HSV	99°, 24%, 45%
XYZ	13.0438, 15.7920, 11.5932
YIQ	107.4260, -1.7400, -12.5240

Conversions

Conversions Part 2

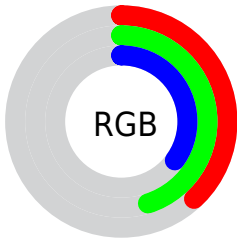
Format	Color
R_{YB}	88, 116, 106
Decimal	6452312
CIE _{Lab}	46.70, -12.36, 13.31
CIE _{LCh}	47, 18.162, 132.870
Yxy	15.7920, 0.3226, 0.3906
Android (android.graphics.Color)	4284642392 (0xFF627458)
YUV	107.4260, -9.5770, -8.2666
Hunter-Lab	39.7391, -10.9535, 10.5206

Details

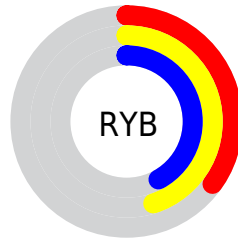
The XYZ color **13.0438, 15.7920, 11.5932** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.5867, 11.3050, 18.0425**, and the grayscale version is **14.1200, 14.8553, 16.1774**.

A 20% lighter version of the original color is **30.9845, 36.2298, 29.4048**, and **3.8503, 5.0052, 2.9537** is the 20% darker color. If you saturate the color by 10%, you get **11.8336, 15.2197, 9.2248**, and if you desaturate by 10%, it is **14.4064, 16.4349, 14.3686**.

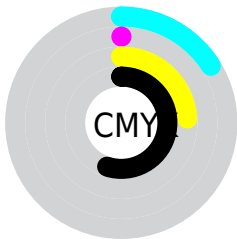
Distribution



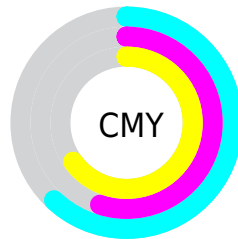
- Red (38%)
- Green (45%)
- Blue (35%)



- Red (35%)
- Yellow (45%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (55%)



- Cyan (62%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0438, 15.7920, 11.5932 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 13.0438, 15.7920, 11.5932 by changing the saturation by 10% instead.

■ 13.0438, 15.7920,
11.5932

■ 13.0438, 15.7920,
11.5932

204.8301,
228.1112, 212.5747

■ 7.5359, 9.3771,
6.3482

■ 30.9831, 36.2367,
29.4052

■ 3.8487, 4.9880,
2.9857

■ 44.1452, 51.0353,
42.8093

■ 1.6169, 2.2402,
1.0874

■ 60.5895, 69.3973,
59.7702

■ 0.4034, 0.7418,
0.0000

■ 80.6812, 91.7070,
80.7063

■ 0.0000, 0.0000,
0.0000

■ 104.7858,
118.3489, 106.0363

133.2686,

149.7072, 136.1786

166.4949,
186.1666, 171.5519

■ 13.0438, 15.7920,
11.5932

■ 13.0438, 15.7920,
11.5932

■ 11.8336, 15.2197,
9.2248

■ 14.4064, 16.4349,
14.3686

■ 10.7688, 14.7136,
7.2432

■ 15.9253, 17.1487,
17.5679

■ 9.8438, 14.2715,
5.6282

■ 17.6062, 17.9364,
21.2081

■ 9.0521, 13.8907,
4.3572

■ 19.4537, 18.8001,
25.3051

■ 8.3867, 13.5681,
3.4052

■ 21.4726, 19.7418,
29.8739

■ 7.8397, 13.3001,
2.7435

■ 23.6672, 20.7635,
34.9291

■ 7.4004, 13.0824,
2.3304

■ 26.0418, 21.8672,
40.4843

■ 7.1771, 12.9716,
2.1255

■ 28.6005, 23.0546,
46.5529

■ 31.3473, 24.3275,
53.1474

Harmonies

Analogous

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



14.3459, 15.7920, 10.0544



13.0438, 15.7920, 11.5932



12.2998, 15.7920, 14.7664

Triad

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



13.0438, 15.7920, 11.5932



14.1360, 15.7920, 26.8775



18.1573, 15.7920, 15.3358

Complementary

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



13.0438, 15.7920, 11.5932



12.5867, 11.3050, 18.0425

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.



18.0913, 15.7920, 19.8758



13.0438, 15.7920, 11.5932



15.6940, 15.7920, 27.1027

Square

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



13.0438, 15.7920, 11.5932



12.8995, 15.7920, 23.7904



17.1641, 15.7920, 24.3605



17.3386, 15.7920, 11.9470

Rectangle

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



13.0438, 15.7920, 11.5932



12.1859, 15.7920, 17.6323



17.1641, 15.7920, 24.3605



18.2394, 15.7920, 16.7646

Sweetspot

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



13.0442, 15.7927, 11.5935



27.1515, 29.7481, 29.0904



14.0911, 14.6714, 11.3219



6.4514, 7.0846, 6.8849



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.



13.0442, 15.7927, 11.5935



21.7054, 27.1811, 17.9627



12.1905, 15.3342, 12.3818



3.7526, 4.1560, 3.9467



8.0349, 14.5465, 2.3843



38.2971, 70.4446, 11.5787

Inverse Universe

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



12.5867, 11.3050, 18.0425



20.7510, 17.8345, 31.3932



13.6323, 11.8687, 16.9803



3.7058, 3.6956, 4.6083



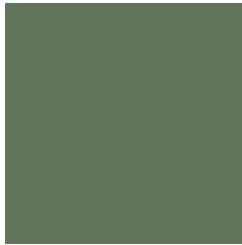
6.7366, 3.0642, 18.7790



31.8699, 14.4380, 91.4674

Previews

White Background



This preview shows how the XYZ color 13.0438, 15.7920, 11.5932 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 13.0438, 15.7920, 11.5932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

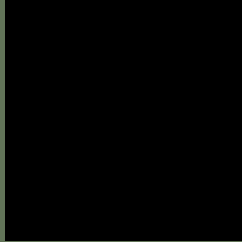
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0438, 15.7920, 11.5932

Background



This preview shows how black text looks on a background with the XYZ color 13.0438, 15.7920, 11.5932.



This preview shows how white text looks on a background with the XYZ color 13.0438, 15.7920,

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

13.0438, 15.7920, 11.5932

Protanopia

14.6868, 15.6593, 10.8428

Deuteranopia

15.9016, 15.6354, 11.8527



Tritanopia

14.8389, 15.8524, 20.3669

Trichromacy



Original Color

13.0438, 15.7920, 11.5932

Protanomaly

14.0294, 15.6397, 11.0834

Deuteranomaly

14.7152, 15.6550, 11.6973

Tritanomaly

14.0323, 15.6811, 16.7552

Monochromacy



Original Color

13.0438, 15.7920, 11.5932

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5851, 15.0150, 14.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0438, 15.7920, 11.5932 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(98, 116, 88) looks like.

```
.text, #text, p{  
    color:rgb(98, 116, 88)  
}
```

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(98, 116, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 116, 88) }
```

Border

The CSS property to change the border of an element to XYZ 13.0438, 15.7920, 11.5932 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(98, 116, 88) }
```


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

```
.border{ border-color:rgb(98, 116, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 116, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 116, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 116, 88);  
box-shadow:4px 4px 4px 4px rgb(98, 116,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0438, 15.7920, 11.5932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 116, 88) }
```

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

```
.background{ background-color: rgb(98, 116,  
88) }
```

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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