

Converting Colors

XYZ(12.9792, 14.6795, 11.8259)

Have a look what the booklet for
XYZ(12.9792, 14.6795, 11.8259)
contains.

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Color

**XYZ(13.0149, 14.7736,
11.8385)**

Conversions

Conversions Part 1

Format	Color
Hex	676E5A
RGB	103, 110, 90
RGB Percent	40%, 43%, 35%
CMY	0.5961, 0.5686, 0.6471
CMYK	0.06, 0.00, 0.18, 0.57
HSL	81°, 10%, 39%
HSV	81°, 18%, 43%
XYZ	13.0149, 14.7736, 11.8385
YIQ	105.6270, 2.2480, -7.7040

Conversions

Conversions Part 2

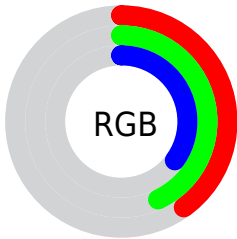
Format	Color
R_{YB}	90, 110, 97
Decimal	6778458
CIE Lab	45.32, -6.61, 10.27
CIE LCh	45, 12.213, 122.753
Yxy	14.7736, 0.3284, 0.3728
Android (android.graphics.Color)	4284968538 (0xFF676E5A)
YUV	105.6270, -7.7041, -2.3039
Hunter-Lab	38.4364, -6.8222, 8.6441

Details

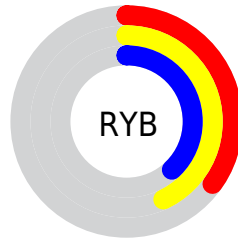
The XYZ color **13.0149, 14.7736, 11.8385** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.4010, 10.9799, 16.2711**, and the grayscale version is **13.6179, 14.3271, 15.6022**.

A 20% lighter version of the original color is **30.9804, 34.6041, 29.8574**, and **3.8081, 4.4679, 3.0445** is the 20% darker color. If you saturate the color by 10%, you get **12.1495, 14.3780, 9.5322**, and if you desaturate by 10%, it is **13.9708, 15.2087, 14.5115**.

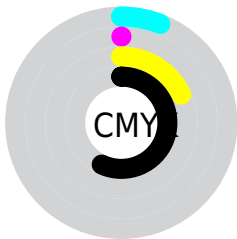
Distribution



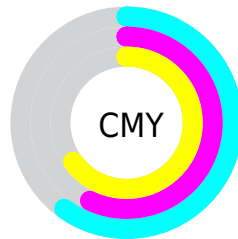
- Red (40%)
- Green (43%)
- Blue (35%)



- Red (35%)
- Yellow (43%)
- Blue (38%)



- Cyan (6%)
- Magenta (0%)
- Yellow (18%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0149, 14.7736, 11.8385 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 13.0149, 14.7736, 11.8385 by changing the saturation by 10% instead.

■ 13.0149, 14.7736,
11.8385

■ 13.0149, 14.7736,
11.8385

204.6488,
221.9918, 214.2730

■ 7.5159, 8.6606,
6.5126

■ 30.9316, 34.4555,
29.8606

■ 3.8359, 4.5205,
3.0854

■ 44.0801, 48.7933,
43.3939

■ 1.6097, 1.9688,
1.1384

■ 60.5090, 66.6414,
60.5001

■ 0.3988, 0.5892,
0.0000

■ 80.5838, 88.3843,
81.5977

■ 0.0000, 0.0000,
0.0000

104.6698,
114.4064, 107.1052

133.1324,

145.0921, 137.4412

166.3370,
180.8258, 173.0243

■ 13.0149, 14.7736,
11.8385

■ 13.0149, 14.7736,
11.8385

■ 12.1495, 14.3780,
9.5322

■ 13.9708, 15.2087,
14.5115

■ 11.3700, 14.0187,
7.5755

■ 15.0191, 15.6826,
17.5651

■ 10.6733, 13.6948,
5.9517

■ 16.1632, 16.1972,
21.0140

■ 10.0557, 13.4048,
4.6421

■ 17.4057, 16.7537,
24.8714

■ 9.5130, 13.1469,
3.6263

■ 18.7496, 17.3531,
29.1503

■ 9.0404, 12.9193,
2.8813

■ 20.1972, 17.9966,
33.8629

■ 8.6328, 12.7198,
2.3809

■ 21.7510, 18.6851,
39.0208

■ 8.2740, 12.5419,
2.0421

■ 23.4135, 19.4196,
44.6355

■ 8.2110, 12.5107,
1.9820

■ 25.1870, 20.2011,
50.7178

Harmonies

Analogous

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



13.9486, 14.7736, 11.1357



13.0149, 14.7736, 11.8385



12.3815, 14.7736, 13.6664

Triad

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



13.0149, 14.7736, 11.8385



13.1695, 14.7736, 21.5682



16.0772, 14.7736, 15.8196

Complementary

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



13.0149, 14.7736, 11.8385



11.4010, 10.9799, 16.2711

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.



15.8444, 14.7736, 18.7754



13.0149, 14.7736, 11.8385



14.1356, 14.7736, 22.3211

Square

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



13.0149, 14.7736, 11.8385



12.4677, 14.7736, 19.2943



15.1215, 14.7736, 21.2443



15.7433, 14.7736, 13.2546

Rectangle

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



13.0149, 14.7736, 11.8385



12.1981, 14.7736, 15.3930



15.1215, 14.7736, 21.2443



16.0626, 14.7736, 16.7994

Sweetspot

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



13.0153, 14.7742, 11.8388



25.0782, 26.9544, 27.0470



12.5511, 12.6031, 11.4442



5.8140, 6.2626, 6.2308



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.



13.0153, 14.7742, 11.8388



22.1676, 25.6307, 18.9289



11.9361, 14.2179, 11.7883



3.5340, 3.8606, 3.6322



9.8315, 15.0120, 2.3794



48.0166, 74.2875, 11.8082

Inverse Universe

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



11.4010, 10.9799, 16.2711



18.7495, 17.5955, 28.3153



12.5346, 11.5643, 16.3241



3.3176, 3.3520, 4.2264



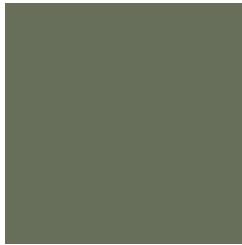
4.3342, 1.8438, 17.8491



20.7353, 8.7438, 88.8740

Previews

White Background



This preview shows how the XYZ color 13.0149, 14.7736, 11.8385 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 13.0149, 14.7736, 11.8385 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

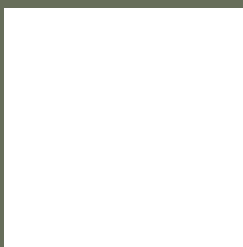
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0149, 14.7736, 11.8385

Background



This preview shows how black text looks on a background with the XYZ color 13.0149, 14.7736, 11.8385.



This preview shows how white text looks on a background with the XYZ color 13.0149, 14.7736,

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

13.0149, 14.7736, 11.8385

Protanopia

13.8292, 14.7307, 11.3469

Deuteranopia

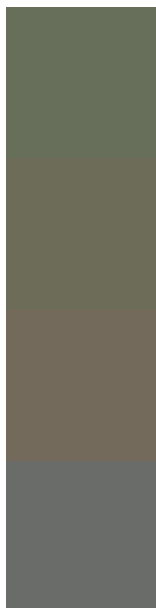
14.9070, 14.6668, 11.9428



Tritanopia

14.4156, 14.8790, 18.3318

Trichromacy



Original Color

13.0149, 14.7736, 11.8385

Protanomaly

13.4724, 14.6976, 11.5780

Deuteranomaly

14.2448, 14.7764, 11.9989

Tritanomaly

13.9079, 14.8299, 15.7651

Monochromacy



Original Color

13.0149, 14.7736, 11.8385

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.3836, 14.4387, 14.1382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0149, 14.7736, 11.8385 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(103, 110, 90)` looks like.

```
.text, #text, p{  
    color:rgb(103, 110, 90)  
}
```

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(103, 110, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 110, 90) }
```

Border

The CSS property to change the border of an element to XYZ 13.0149, 14.7736, 11.8385 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(103, 110, 90) }
```


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

```
.border{ border-color:rgb(103, 110, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 110, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 110, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 110, 90);  
box-shadow:4px 4px 4px 4px rgb(103, 110,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0149, 14.7736, 11.8385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 110, 90) }
```

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

```
.background{ background-color: rgb(103,  
110, 90) }
```

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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